

New Products from CST—March 2026

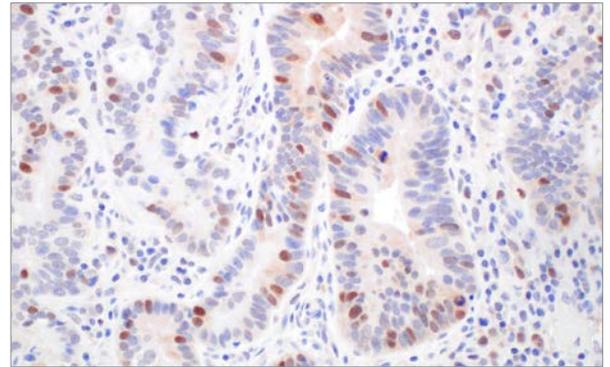
We are continually expanding our portfolio to meet your research needs. Check out the new products released this month!

Rad51 (F4L4Y) Rabbit Monoclonal Antibody #84555

A key protein in DNA double-strand break repair

Cells sense and repair DNA double-strand breaks (DSBs) through two signaling pathways: non-homologous end joining (NHEJ) and homologous recombination (HR). Rad51 regulates HR by polymerizing filaments along single-stranded DNA through interactions with Rad54 and BRCA2. Five Rad51 paralogs (XRCC2, XRCC3, Rad51B, Rad51C, and Rad51D) exist in vertebrates, and all are thought to be required for efficient HR. RAD51 is overexpressed in over 20 types of cancer and has been associated with reduced overall survival in at least 10 cancers. It is therefore a promising biomarker for various cancers. #84555 is suitable for WB, IP, and IHC-P using human, mouse, rat, and monkey samples.

KEYWORDS: homologous recombination, DNA double-strand break repair, cancer



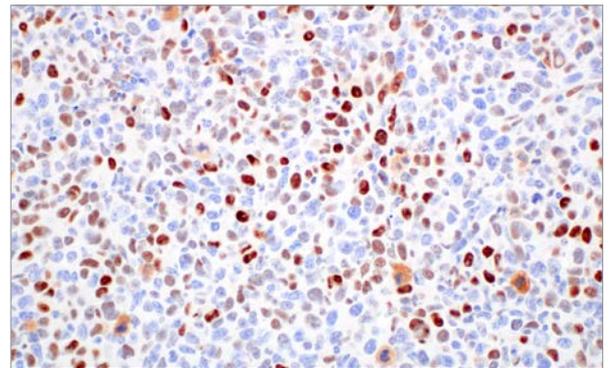
IHC-P: IHC analysis of paraffin-embedded human esophageal carcinoma using #84555.

p21 Waf1/Cip1 (F7S9M) Rabbit Monoclonal Antibody #39375

Tumor suppressor protein p21 Waf1/Cip1

p21 Waf1/Cip1 acts as an inhibitor of cell cycle progression, primarily downstream of the tumor suppressor protein p53. By colocalizing with the CDK2 complex, it inhibits kinase activity and blocks G1/S phase progression. In particular, it is involved in cell cycle arrest upon DNA damage, induction of cellular senescence, promotion of differentiation, and suppression of apoptosis. Its functions are known to vary depending on its subcellular location. Upon UV-induced DNA damage or during cell cycle stages when cdc2/cyclin B or CDK2/cyclin A are activated, p53 is phosphorylated and positively regulates p21 transcription via p53 response elements. Meanwhile, p21 protein levels are negatively regulated by ubiquitination and proteasomal degradation. #39375 is suitable for WB, IP, and IHC-P using mouse samples.

KEYWORDS: cell cycle arrest, senescence, cancer



IHC-P: IHC analysis of paraffin-embedded LL/2 syngeneic tumor using #39375.



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PRODUCT	APPLICATIONS	REACTIVITY
Cell Biology - Adhesion/Extracellular Matrix		
76585S N-Cadherin (D4R1H) Rabbit Monoclonal Antibody (Alexa Fluor® 647 Conjugate) (IHC Formulated)	IHC-P	H, M
15256S CD44 (E7K2Y) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P	H, M, R
33128S COL3A1 (E8D7R) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P	H
94660S Cystatin-A (F5N5B) Rabbit Monoclonal Antibody	WB, IHC-P, IF-F, IF-IC	H, M, R
94660T		
18115S MCAM (E3F3E) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate)	IHC-P, FC-FP	H, M
34934S MXRA7 (F7M5E) Rabbit Monoclonal Antibody	WB, IP, FC-FP	H, M, R, Mk
34934T		
96582S MXRA7 (F7P7E) Rabbit Monoclonal Antibody	WB, IP, IHC-P	H
96582T		
60265S Osteopontin/SPP1 (F7E5E) Rabbit Monoclonal Antibody	WB, IHC-P, IF-IC	H
60265T		
Cell Biology - Apoptosis		
49261SF DR5 (E9D7D) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H
50735C PathScan® RP c-IAP1 Sandwich ELISA Kit	ELISA+	H
68334S MST3 (F9X8B) Rabbit Monoclonal Antibody	WB, IP	H, M, R, Mk
68334T		
61648S Cleaved PARP (Asp214) (D64E10) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	H, M, Mk
Cell Biology - Cell Cycle		
54113S NUSAP1 (F1H1E) Rabbit Monoclonal Antibody	WB, IP	H
54113T		
39375S p21 Waf1/Cip1 (F7S9M) Rabbit Monoclonal Antibody	WB, IP, IHC-P	M
39375T		
62848S Phospho-Rb (Ser807/811) (D20B12) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	H, M, R, Mk
Cell Biology - Cytoskeletal		
27174S Acetyl-alpha-Tubulin (Lys40) (D20G3) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	H, M, R, Mk, Z, (X)
37308S Nestin (E5C7I) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate) (IHC Formulated)	IHC-P	M, R
60075S Septin-6 (F2Y9V) Rabbit Monoclonal Antibody	WB	H, M
60075T		
Cell Biology - DNA Damage/Senescence		
4768S DNA Damage Control Cell Extracts	WB	H
65766SF LbCpf1/Cas12a (Strain ND2006) (2D5-6G11) Mouse Monoclonal Antibody (BSA and Azide Free)	WB, IF-IC, ELISA	All
84555S Rad51 (F4L4Y) Rabbit Monoclonal Antibody	WB, IP, IHC-P	H, M, R, Mk
84555T		
62341S Rad51 Matched Antibody Pair	ELISA+	H, M, R, Mk
Cell Biology - MAP kinase		
79092S KIAA1549 Antibody	WB, IP	H
78161SF MEK1/2 (47E6) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Mk
84152SF Phospho-MEK1/2 (Ser217/221) (41G9) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Mk
Cell Biology - Proteostasis		
35030C Pan-branch Ubiquitin TUBE-UBQLN1 Assay Kit (Anti-mouse IgG Secondary)	ELISA+	All
17452C Pan-branch Ubiquitin TUBE-UBQLN1 Assay Kit (Anti-rabbit IgG Secondary)	ELISA+	All
Cell Biology - RTK-Cell Biology		
52241SF HER2/ErbB2 (E3G4U) Mouse Monoclonal Antibody (BSA and Azide Free)	ELISA+	H
Cell Biology - Vesicle and Protein Trafficking		
71972SF Phospho-NDRG1 (Ser330) (D3A12) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P, ELISA+	H, M, Mk
Complementary Ab - Isotype		
30902S Mouse (G3A1) Monoclonal Antibody IgG1 Isotype Control (mFluor™ Red 780 Conjugate)	FC-FP, FC-L	-
41351S Mouse (G3A1) Monoclonal Antibody IgG1 Isotype Control (mFluor™ Violet 510 Conjugate)	FC-FP, FC-L	-
Complementary Ab - TAG		
23297S Myc-Tag (71D10) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	All



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PRODUCT	APPLICATIONS	REACTIVITY
Developmental Biology - DIFFERENTIATION - Transcription Factor		
44427S Phospho-c-Myb (Ser1) (F6D5K) Rabbit Monoclonal Antibody	WB, IP, IHC-P	H, M
44427T		
78760SF Snail (C15D3) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R, Mk
Developmental Biology - TGFB/BMP		
59115SF GDF15/MIC1 (E4D3K) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IF-IC, ELISA+	H
32797S GDF15/MIC1 Matched Antibody Pair	ELISA+	H
Developmental Biology - WNT		
95920S CK1 alpha (FIT9E) Rabbit Monoclonal Antibody	WB, IP	H, M, R, Mk
95920T		
Epigenetics - Chromatin Acylation and Phosphorylation		
84856SF Bmi1 (DC9) Mouse Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Mk
66736SF HDAC4 (D15C3) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Mk
16479S Total HDAC4 Matched Antibody Pair	ELISA+	H, M, Mk
86150SF p300 (E8S2V) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R, Mk
97871SF WHSC1 (D4Z8Q) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, Mk
Epigenetics - Histones and Histone Modifications		
47907S Phospho-Histone H2A.X (Ser139) (20E3) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	H, M, R, Mk
4309P Phospho-Histone H2A.X (Ser139) (20E3) Rabbit Monoclonal Antibody (Biotinylated)	WB, E-P	H, M, R, Mk
95375SF Tri-Methyl-Histone H4 (Lys20) (D84D2) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R, Mk, (X, B, Pg)
Epigenetics - Nuclear Structure		
31014S Lamin B1 (E6M5T) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate)	IHC-P	H, M, R
99771S Lamin B1 (E6M5T) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P	H, M, R
92405S SUN2 (F6Y2S) Rabbit Monoclonal Antibody	WB, IP, IF-IC	H
92405T		
Epigenetics - RNA Splicing, Capping, Polyadenylation		
77814S PRPF6 (F9A2R) Rabbit Monoclonal Antibody	WB, IP, IF-IC	H, M, R, Mk
77814T		
Epigenetics - RNA Stability & Decay		
92108S PELO (F3V8O) Rabbit Monoclonal Antibody	WB, IP	H, M, R, Mk
92108T		
82457S RNASEH2A (F5D8B) Rabbit Monoclonal Antibody	WB, IP	H, Mk
82457T		
Immunology - Adoptive Cell Therapy and Cancer Vaccines		
90013S CD7 (E4G1Q) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IHC-P	H
38470S G4S Linker (E7O2V) Rabbit Monoclonal Antibody (IntraSeq™ 3' Conjugate 318)	SCA-ITS3	H, M
18765S G4S Linker (E7O2V) Rabbit Monoclonal Antibody (mFluor™ Violet 610 Conjugate)	FC-L	All
Immunology - Autoimmunity and Inflammation		
95997S Lysozyme C Matched Antibody Pair	ELISA+	H
40876S S100A9 (D3U8M) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P, FC-FP	M, R
Immunology - Cell Autonomous Innate Immunity		
63132S FCN3 (F9E8J) Rabbit Monoclonal Antibody	WB	H
63132T		
10838SF IRF-7 (E8I2L) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	M
44151S Total IRF-7 Matched Antibody Pair	ELISA+	M
77513SF Phospho-IRF-7 (Ser437/438) (D6M2I) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	M
80231P STING (D2P2F) Rabbit Monoclonal Antibody (Biotinylated)	WB, E-P	H, M, Hm
18889SF Phospho-STING (Ser366) (D7C3S) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H
42657S TREX1 (F4J3O) Rabbit Monoclonal Antibody	WB, IHC-P	H
42657T		
Immunology - Immune Checkpoints and Ligands		
73064SF B7-H4 (6C6B1) Rabbit Monoclonal Antibody (BSA and Azide Free)	ELISA+	H



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PRODUCT	APPLICATIONS	REACTIVITY
Immunology - Inflammasome		
31327SF Gasdermin D (E4M2W) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA	M, R
16226SF Gasdermin D (F6B3M) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IF-IC, ELISA	H
98873SF Cleaved Gasdermin D (Asp276) (E3E3P) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA	M
40402SF Cleaved Gasdermin D (Gly276) (E9U7H) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, FC-FP, ELISA	H
Immunology - Lymphocyte Signaling		
51444S c-Abl (F5N4I) Rabbit Monoclonal Antibody	WB, IP	H, M, R
51444T		
90632S CD79A (D1X5C) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IHC-P	H
79501S CD79A (F3Z1H) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IHC-P, FC-FP	M
97503S CD79A (F3Z1H) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate) (IF Formulated)	IF-F	M
28122S HPK1 (E1C3L) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	FC-FP	H
51817P ITK (E4X7M) Rabbit Monoclonal Antibody (Biotinylated)	WB, E-P	H
38227S RAG2 (F6L1V) Rabbit Monoclonal Antibody	WB, IP, FC-FP	H, M
38227T		
48490S THEMIS2 (F2V8Q) Rabbit Monoclonal Antibody	WB, IP, FC-FP	H
48490T		
Immunology - NFkappaB Signaling		
18292S Phospho-NF-kappaB p65 (Ser536) (93H1) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	H, M, R, Hm, Mk, Pg
Immunology - Phenotyping and Functional Markers		
78337S CD45 (Intracellular Domain) (D9M8I) Rabbit Monoclonal Antibody (Alexa Fluor® 405 Conjugate)	FC-FP	H, Mk
16563S FMC63 scFv (F2Q8G) Rabbit Monoclonal Antibody	WB, IP, FC-FP, FC-L	All
16563T		
44377S MHC Class II (I-A alpha) (F3V7O) Rabbit Monoclonal Antibody	WB	M, R
44377T		
71583SF NCRI/NKp46 (F8M2L) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, FC-L	M
65118S SPTA1 (E3B3L) Rabbit Monoclonal Antibody	WB, FC-FP	H, M, R
65118T		
Immunology - Toll-Like and C-Type Lectin Receptors		
90551S Tollip (F4Y5L) Rabbit Monoclonal Antibody	WB, IP, IF-F, IF-IC, FC-FP	H, M, R, Mk
90551T		
Immunology - Tumor Microenvironment		
29631S CD39/NTPDase 1 (E2X6B) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate)	IHC-P	M
Metabolism - Autophagy		
61518SF TFE3 (E6T9M) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M
32015SF TFE3 (F3X8T) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Mk
82220SF Phospho-TFE3 (Ser321) (F1E8R) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, R, Mk, M
48564SF TFE3 (E4I8R) Mouse Monoclonal Antibody (BSA and Azide Free)	WB, IF-IC, ELISA+	H
85791SF ULK1 (D8H5) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Mk
48429SF ULK1 (D9D7) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, Mk
36400SF Phospho-ULK1 (Ser555) (D1H4) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA	H, M, (R)
Metabolism - Biochemical Metabolism and Signaling		
99126S ALDH2 (F1W7F) Rabbit Monoclonal Antibody	WB, IHC-P	H, M, R
99126T		
78856S ALDH2 (F3B5O) Rabbit Monoclonal Antibody	WB, IF-F, IF-IC	H, M, R
78856T		
19257S Asparagine Synthetase (E6C2C) Rabbit Monoclonal Antibody (Pacific Blue™ Conjugate)	FC-FP	H, M, R
85337SF GSK-3 alpha (D80E6) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Hm, Mk
34626S Total GSK-3 alpha Matched Antibody Pair	ELISA+	H, M, R, Mk
54619SF Phospho-GSK-3 alpha (Ser21) (36E9) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P, ELISA+	H, M, R, Mk
25143S Phospho-GSK-3 alpha (Ser21) Matched Antibody Pair	ELISA+	H, M, R, Mk
66505SF GSK-3alpha/beta (D75D3) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, ELISA+	H, M, R, Hm, Mk



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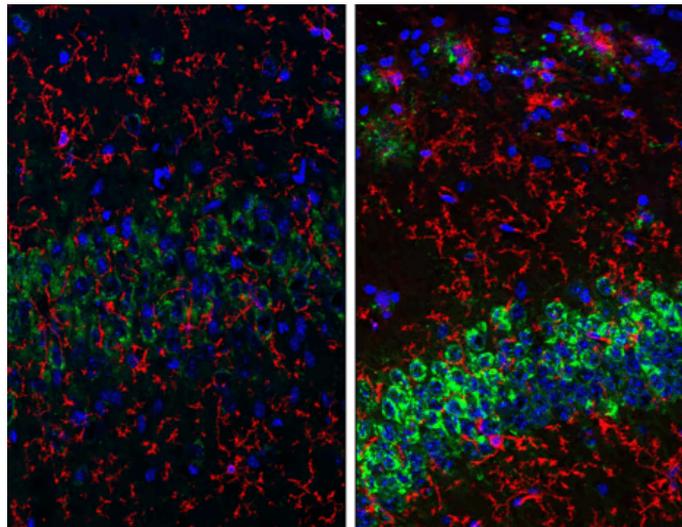
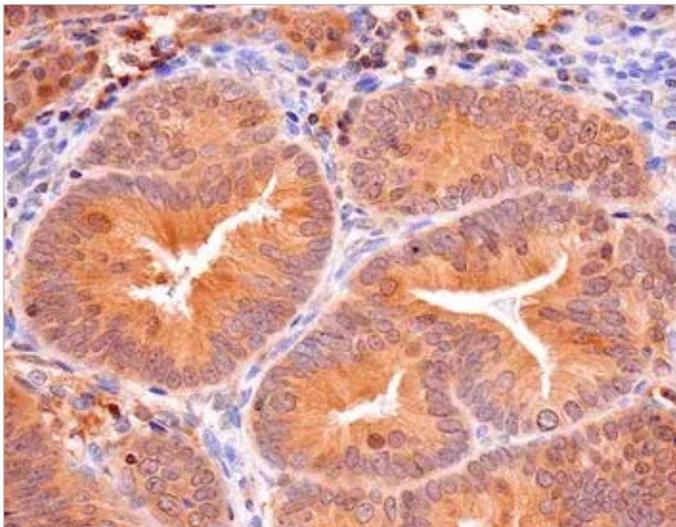
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PRODUCT	APPLICATIONS	REACTIVITY
Metabolism - Biochemical Metabolism and Signaling (cont.)		
43608S Ornithine Decarboxylase/Odc (F1S6A) Rabbit Monoclonal Antibody	WB	M
43608T		
46940S PPT1 (F7C5U) Rabbit Monoclonal Antibody	WB, IHC-P	H, M
46940T		
46003S ZDHHC24 (F9U2B) Rabbit Monoclonal Antibody	WB, IP	H
46003T		
Metabolism - PI3K/Akt/mTOR Signaling		
56482S PI3 Kinase p85 alpha Matched Antibody Pair	ELISA+	H, M, R, Mk
Metabolism - REDOX/Energy Metabolism		
5256P Phospho-AMPK alpha (Thr172) (40H9) Rabbit Monoclonal Antibody (Biotinylated)	WB, E-P	H, M, R, Hm, Mk, Dm, Sc
33121S MICAL2 (F7N1B) Rabbit Monoclonal Antibody	WB	H
33121T		
7213SF PGAM5 (Long Isoform) (E8C3L) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R, Mk
34281S SLC25A39 (FIG2C) Rabbit Monoclonal Antibody	WB, IP	M
34281T		
Motif		
76820S Poly/Mono-ADP Ribose (D9P7Z) Rabbit Monoclonal Antibody (Alexa Fluor® 647 Conjugate)	FC-FP	All
45831SF Asymmetric Di-Methyl Arginine Motif [adme-R] MultiMab® Rabbit Monoclonal Antibody mix (BSA and Azide Free)	WB	All
25217S PTMScan® Formyl Lysine Motif (For-K) Kit	PTMScan	All
Neuroscience - Alzheimer's disease		
75632SF beta-Amyloid (1-42) (D3E10) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, (M, R, Mk, B)
62171C PathScan® RP Pyk2 Sandwich ELISA Kit	ELISA+	H, M
28733P Tau 4R (E7T4F) Rabbit Monoclonal Antibody (Biotinylated)	E-P	H, M, R
82591S Phospho-Tau (Thr181) Quantitative Control	ELISA+	-
63062S Phospho-Tau (Thr205) Quantitative Control	ELISA+	-
47640S Phospho-Tau (Thr217) Quantitative Control	ELISA+	-
Neuroscience - Neural function (neurite extension, axonal guidance, synaptogenesis, myelination and neuron-glia cell interactions)		
72831C PathScan® RP MAP2A/MAP2B Sandwich ELISA Kit	ELISA	M
89996S MOBP (F7N8I) Rabbit Monoclonal Antibody	WB	H, M, R
89996T		
56165S NG2/CSPG4 (F8X3M) Rabbit Monoclonal Antibody (IHC Formulated)	IHC-P	M
56165T		
27693S Recoverin (F205Z) Rabbit Monoclonal Antibody	WB, IF-F	M, R, (H)
27693T		
Neuroscience - Post-synapse		
25312SF Neurexin-3 (E7K3G) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R
Neuroscience - Receptor signaling: GPCRs, ion channels, RTKs-Neuro, transporters (SLC & ABC)		
81929SF Nav1.7 (D5L1J) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R
32151S OGF Receptor (F719M) Rabbit Monoclonal Antibody	WB	H
32151T		
55247SF Pan Na Channel alpha Subunit (D219C) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R
SignalStar® Secondary Antibody Kit		
29529S Anti-mouse IgG & CO-0056-488 SignalStar® Secondary Antibody Kit	StarBond, StarManual	M
32881S Anti-mouse IgG & CO-0056-594 SignalStar® Secondary Antibody Kit	StarBond, StarManual	M
37009S Anti-mouse IgG & CO-0056-647 SignalStar® Secondary Antibody Kit	StarBond, StarManual	M
50528S Anti-mouse IgG & CO-0056-750 SignalStar® Secondary Antibody Kit	StarBond, StarManual	M



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What's New at CST



Your Guide to Apoptosis

Explore the mechanisms, pathways, and proteins involved in apoptotic cell death—and review the key markers and assays for studying its role in normal and disease states.

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Your Neurodegenerative Disease Research Toolbox

Explore key biofluid biomarkers for Alzheimer's disease, Parkinson's disease, and other neurodegenerative conditions—plus the right antibodies and ELISA kits to reliably detect them.

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