New Products
AUGUST 2023

EuroClone

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

HOT PRODUCTS

Phospho-Tau (Thr205) (E8Q5Z) Mouse mAb #25377

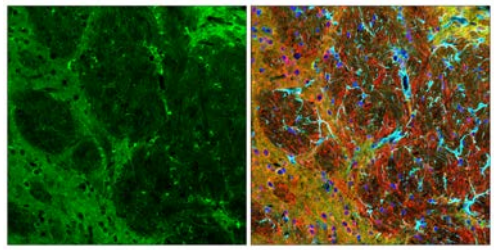
Key Protein in Alzheimer's Disease

Tau is a heterogeneous microtubule-associated protein that promotes and stabilizes microtubule assembly, especially in axons. Tau is hyperphosphorylated at approximately 25 sites by Erk, GSK-3, and CDK5. Phosphorylation decreases the ability of tau to bind to microtubules. Neurofibrillary tangles are a major hallmark of Alzheimer's disease; these tangles are bundles of paired helical filaments (PHFs) composed of hyperphosphorylated tau.

Phosphorylation of tau at Thr205 is found in Alzheimer's disease brain. This phosphorylation is the result of the activity of GSK-3, PKA, and other kinases. Protein phosphatases have been shown to decrease the levels of phospho-tau at Thr205, including PP5.

In addition to the secreted protein, several intracellular isoforms are localized to the nucleus, mitochondria, cytoplasm, and ER. The subcellular distribution of these multiple isoforms leads to the diversity of clusterin functions. Additional studies report that clusterin is involved in membrane recycling, cell adhesion, cell proliferation, apoptosis, and tumor survival.

KEYWORDS: Alzheimer's disease, Tauopathy



IF-F: Confocal IF analysis of fixed frozen mouse striatum, labeled with #25377 (left, green; Mouse IgG2b) and co-labeled with GFAP (GA5) Mouse mAb #3670 (right, cyan; Mouse IgG1), β3-Tubulin (D71G9) XP® Rabbit mAb #5568 (right, red), and ProLong Gold Antifade Reagent with DAPI #8961 (right, blue).

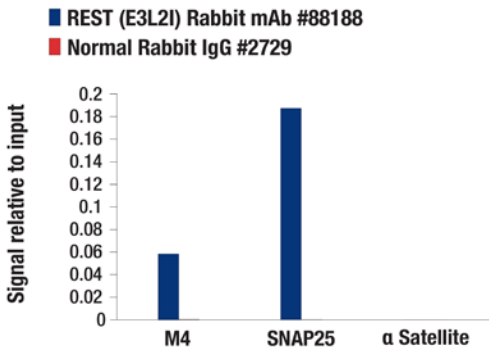
REST (E3L2I) Rabbit mAb #88188

Transcription factor important for neuron

REST, also known as NRSF, is a repressive transcription factor that acts by binding to neuron-restrictive silencer elements present in neuronal genes. The REST is bound by its cofactor, CoREST, which in turn recruits many epigenetic regulators. REST is capable of local and long-range chromatin remodeling, including changes to nucleosome phasing and histone modifications. REST also plays a key role in miRNA regulation along with CREB through the control of genes involved in miRNA biogenesis. Many of the miRNAs regulated by REST exist in feedback loops, which control neural stem cell self-renewal and maintenance.

REST and its regulatory network of genes and RNAs have been implicated in numerous neurological disorders, including schizophrenia, Huntington's, and Alzheimer's disease.

KEYWORDS: Neuron, Transcription factor, Neurodegeneration disease



ChIP: ChIP were performed with cross-linked chromatin from HeLa cells and either #88188 or Normal Rabbit IgG #2729, using SimpleChIP® Plus Enzymatic Chromatin IP Kit (Magnetic Beads) #9005. The enriched DNA was quantified by real-time PCR, using human M4 promoter primers, human SNAP25 intron 1 primers, and SimpleChIP® Human α Satellite Repeat Primers #4486. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.

	PRODUCT	APPLICATIONS	REACTIVITY
Adhesion/ECM			
31882S	COL4A1 (E9T4L) Rabbit mAb	WB	H, M, R
80960S	COL11A1 (E6X3Y) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H
81566C	PathScan® DPP4/CD26 Sandwich ELISA Kit	ELISA	H
43164SF	p130 Cas (E1L9H) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
76074SF	TIMP1 (D10E6) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, Mk
Apoptosis			
34811T	Apoptosis Antibody Sampler Kit II	–	–
44446S	Bax (E4U1V) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC, FC-FP	H
72168C	FastScan™ Bax ELISA Kit	ELISA	H
58208S	Caspase-12 (E9T3W) Rabbit mAb	WB	M
96256SF	Cleaved PARP (Asp214) (D6X6X) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	M, R
81191SF	Smac/Diablo (D5S3R) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	H, M, R
86960SF	TRAF1 (45D3) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, (Mk)
Cell Cycle / Checkpoint Control			
97687S	ATRIP (E2I9A) Rabbit mAb	WB, IP	H
30790SF	Phospho-cdc25C (Ser216) (63F9) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, Mk
64691S	Chk2 (E7L7J) Rabbit mAb	WB, IP	M
17332SF	Chk2 (1C12) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, Mk
31223SF	ERCC1 (D6G6) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk
46482S	Ki-67 (D3B5) Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-FP	H
58963SF	MCM7 (D10A11) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Hm, Mk, Dg
69683S	PHB1 (E8R3V) Rabbit mAb	WB	H, M, R
77797SF	PLK1 (208G4) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, R, Mk
74085SF	PP2A A Subunit (81G5) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk
40283S	Phospho-Rb (Ser807/811) (D20B12) XP® Rabbit mAb (Alexa Fluor® 350 Conjugate)	FC-FP	H, M, R, Mk
63356SF	RRM1 (D12F12) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, Mk
Chromatin Regulation / Nuclear Function			
61458S	Phospho-HDAC2 (Ser394) (E8O2Z) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H, M, R, Mk
33587S	Di-Methyl-Histone H3 (Lys36) (C75H12) Rabbit mAb (ChIP Formulated)	ChIP	H
19776SF	Tri-Methyl-Histone H3 (Lys4) (C42D8) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk, Dm, Sc, (X, Z)
53775SF	Tri-Methyl-Histone H3 (Lys36) (D5A7) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk, (Hm, C, Dm, X, Z, B)
44990SF	HMGA2 (D1A7) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, (Mk)
88188S	REST (E3L2I) Rabbit mAb	WB, ChIP	H, M, R, Mk
84386SF	SP1 (D4C3) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H, Mk
41437S	Pan-YTHDF (E6C3O) Rabbit mAb	WB	H, M, R, Mk
Cytoskeletal Signaling			
32600SF	Phospho-Ezrin (Thr567)/Radixin (Thr564)/Moesin (Thr558) (48G2) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk, (B)
97966SF	Flotillin-1 (D2V7J) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R
62006S	Vimentin (D21H3) XP® Rabbit mAb (Alexa Fluor® 350 Conjugate)	FC-FP	H, M, R, Mk
Developmental Biology			
24710SF	Non-phospho (Active) β-Catenin (Ser45) (D2U8Y) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	H, M, R, Mk, Z, Dg
34464SF	CD109 (E4I2V) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H, M
Immunology and Inflammation			
28512S	CD8α (D8A8Y) Rabbit mAb (Alexa Fluor® 647 Conjugate)	IHC-P	H, Mk
45658S	CD62L/L-Selectin (E7L2M) Rabbit mAb	WB, IHC-P	M
79445S	CXCR4 (E9G2E) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-L	H
99651S	F4/80 (D2S9R) XP® Rabbit mAb (Alexa Fluor® 555 Conjugate)	IHC-P	M
94562SF	FGL1 (E7C1Q) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H

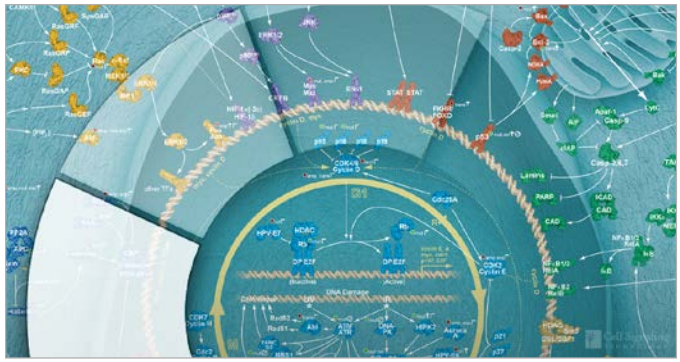
	PRODUCT	APPLICATIONS	REACTIVITY
Immunology and Inflammation *(cont.)*			
78972S	Phospho-GADS (Thr262) (E8L3B) Rabbit mAb	WB	H
83424S	Granzyme C (E5M3N) Rabbit mAb	WB, IF-F	M
31328S	Human B Cell Signaling Flow Cytometry Panel	FC-FP	H
41220S	IL-27RA (E3L6U) Rabbit mAb	WB, IP	H
77260S	IRF-7 (E2U6L) Rabbit mAb	WB, IP, FC-FP	M, R
25253C	PathScan® RP Total Stat1 Sandwich ELISA Kit	ELISA	H, M, R
81377C	PathScan® RP Total Stat5a Sandwich ELISA Kit	ELISA	H
Metabolism			
41332SF	Arginase-1 (E4U1I) Mouse mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H
92658S	ATP5O (E7F4U) Rabbit mAb	WB	H, M, R
97783SF	COX IV (3E11) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, R, Mk, Z, B, Pg
38716S	KLF5 (E5K6H) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-FP	H
33422S	NPC1 (E7S4N) Rabbit mAb	WB, IHC-P	H, M, R
89495S	PFKL (E7G5O) Rabbit mAb	WB	H, M, R
72322SF	Pyruvate Dehydrogenase (C54G1) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk
Neuroscience			
42238S	AQP4 (E8W5A) Mouse mAb	WB	H, M, R
10130SF	GSTP1 (3F2) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, Mk
48721SF	MAP1B (E8S8R) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
40400S	Neurofilament-H (E3O6W) Mouse mAb	WB, IP	H, M
69485S	Neurofilament-H (E9C9Z) Mouse mAb	WB, IP, IF-F, IF-IC	H, M, R
67860SF	nNOS (C7D7) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F	H, M, R
17134S	PQBP1 (E5N7J) Rabbit mAb	WB, IP, IF-IC	H, M, R
32062C	PathScan® RP Stathmin-2 Sandwich ELISA Kit	ELISA	M, R
25377S	Phospho-Tau (Thr205) (E8Q5Z) Mouse mAb	WB, IP, IF-F	H, M, R
33032S	Phospho-Tau (Thr205) (E9A7P) Mouse mAb	WB, IP, IF-F	H, M, R
Nuclear Receptor Signaling			
35264SF	PPARγ (C26H12) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M
PI3K / Akt Signaling			
87786SF	LAMTOR1/C11orf59 (D11H6) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk
38635SF	LAMTOR4/C7orf59 (D4P6O) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk
99813SF	PTEN (D4.3) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk, Dg, (C)
Protein Folding and Trafficking			
98099SF	HSP90 (C45G5) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk, (B, G)
47512S	Rab7 (E9O7E) Mouse mAb (Alexa Fluor® 488 Conjugate)	IF-F, IF-IC	H, M, R, Mk
RTK			
27968SF	EphA2 (D4A2) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk
16732C	PathScan® Phospho-HER3/ErbB3 (Tyr1289) Sandwich ELISA Kit	ELISA	H
35585C	PathScan® Phospho-HER3/ErbB3 (Tyr1328) Sandwich ELISA Kit	ELISA	H
Translational Control			
95797SF	Phospho-eIF2α (Ser51) (D9G8) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk, Dm
48319S	Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb (Alexa Fluor® 350 Conjugate)	FC-FP	H, M, R, Mk, Mi, Sc, (C, Pg)
93315S	Phospho-S6 Ribosomal Protein (Ser240/244) (D68F8) XP® Rabbit mAb (Alexa Fluor® 350 Conjugate)	FC-FP	H, M, R, Mk, (C, Pg)
Related Products			
34051S	Rabbit (DA1E) mAb IgG XP® Isotype Control (Alexa Fluor® 350 Conjugate)	FC-FP	–

What's New at CST

Parkinson's Disease Resources

CST has partnered with The Michael J. Fox Foundation for Parkinson's Research (MJFF). Visit the new Parkinson's Disease Resource Center to learn more about our partnership with MJFF and explore scientific resources and the latest antibody tools to drive your PD research forward.

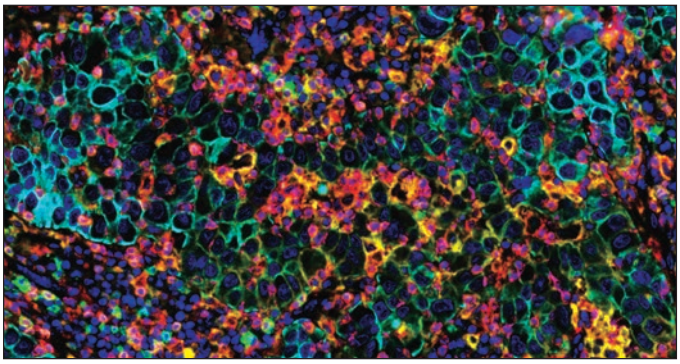
cst-science.com/Q3-2023-info1



eBook: The Hallmarks of Cancer Research Targets

This eBook focuses on the seminal contribution made by Dr. Robert Weinberg and Dr. Douglas Hanahan on "The Hallmarks of Cancer," breaking down the complexity of cancer into ten underlying principles and including key research targets.

cst-science.com/Q3-2023-info2



Solutions for Oncology Therapeutic Discovery

Accelerate drug discovery and development with solutions aligned to your workflows, platforms and technologies, and oncology research. This resource page provides information on targets that could lead to new and more efficacious therapies.

cst-science.com/Q3-2023-info3

Targeting Proteomics for Drug Development

This webinar will provide an overview of how mass spectrometry-based proteomics can be used for drug discovery and development.

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