



New Products

MARCH 2023

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

HOT PRODUCTS

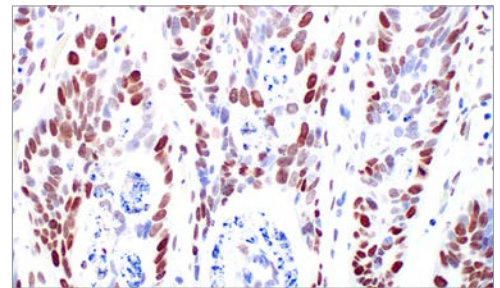
c-Fos (E2I7R) XP[®] Rabbit mAb #31254

Transcription factor important for development and neural activity

The expression of Fos proteins is rapidly and transiently induced by a variety of extracellular stimuli, including growth factors, cytokines, neurotransmitters, polypeptide hormones, and stress. Following growth factor stimulation, expression of FosB and c-Fos in quiescent fibroblasts is immediate, but very short-lived, with protein levels dissipating after several hours. Deregulated expression of c-Fos, FosB, or FRA2 can result in neoplastic cellular transformation; however, Delta FosB lacks the ability to transform cells.

Fos proteins dimerize with Jun proteins (c-Jun, JunB, and JunD) to form Activator Protein-1 (AP-1), a transcription factor that binds to TRE/AP-1 elements and activates transcription. Fos and Jun proteins contain the leucine-zipper motif that mediates dimerization and an adjacent basic domain that binds to DNA.

KEYWORDS: Development, Neural activity, Cancer



IHC-P: IHC analysis of paraffin-embedded human esophageal adenocarcinoma using #31254.

Phospho-Ezh2 (Thr345) (E7T7K) Rabbit mAb #45153

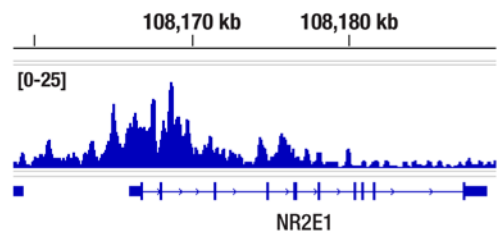
Methyltransferase related to silencing

The polycomb group proteins are involved in maintaining the silenced state of several developmentally regulated genes and contribute to the maintenance of cell identity, cell cycle regulation, and oncogenesis, and Ezh2 is a member of this large protein family.

Mammalian Ezh2 is a member of a histone deacetylase complex that functions in gene silencing, acting at the level of chromatin structure. Ezh2 complexes methylate histone H3 at Lys9 and 27 in vitro, which is thought to be involved in targeting transcriptional regulators to specific loci.

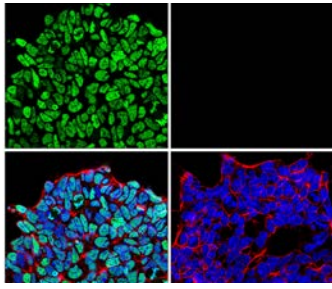
Ezh2 is phosphorylated on Thr345 by cyclin-dependent kinase 1 (CDK1), which increases targeting of Ezh2 to its target loci and promotes methylation of H3 at Lys27. This activated form of Ezh2 may deposit initial H3K27me3 marks onto newly synthesized daughter strands of DNA during replication. In addition, phosphorylation of Thr345 affects Ezh2 stability by promoting its ubiquitination and subsequent.

KEYWORDS: Silencing, Methylation

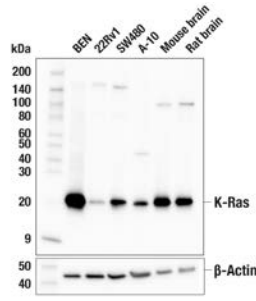


C&R: CUT&RUN was performed with NCCIT cells and #45153 using CUT&RUN Assay Kit #86652. DNA library was prepared using DNA Library Prep Kit for Illumina Systems (ChIP-seq, CUT&RUN) #56795. The figure shows binding across NR2E1, a known target gene of Ezh2 (see additional figure containing CUT&RUN-qPCR data).

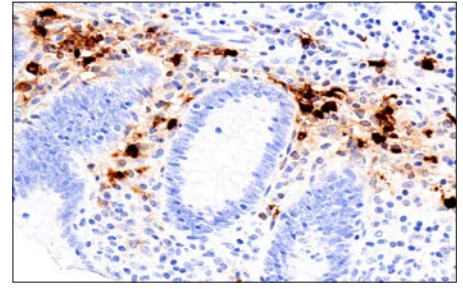




**Histone H3 (K36M Mutant Specific) (E8N1L)
Rabbit mAb #98399**



K-Ras (E2M9G) Rabbit mAb #71835



Eosinophil cationic protein (E6U5M) Rabbit mAb #24357

PRODUCT	APPLICATIONS	REACTIVITY
Adhesion/ECM		
46189SF COL11A1 (E6X3Y) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H
55930SF EpCAM (D4K8R) XP [®] Rabbit mAb (BSA and Azide Free)	IF-IC, FC-FP, FC-L	H
Apoptosis		
15343S Bax (E4U1V) Rabbit mAb (Alexa Fluor [®] 647 Conjugate)	FC-FP	H
98134T Cleaved Caspase-8 (Asp374) (E6H8S) Rabbit mAb	WB, IP, IF-IC, FC-FP	H
94789SF Mcl-1 (D5V5L) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H
17245SF PARP (46D11) Rabbit mAb (BSA and Azide Free)	WB	H, M, R, Mk
Cell Cycle / Checkpoint Control		
28130SF Phospho-Chk2 (Thr68) (C13C1) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H
34330SF Ki-67 (D3B5) Rabbit mAb (BSA and Azide Free)	IHC-P, IF-F, IF-IC, FC-FP	H, M, R
17944S NPM1 (C Mutant Specific) Antibody	WB, IP, ChIP	H
58405S p63- α (D2K8X) XP [®] Rabbit mAb (Alexa Fluor [®] 488 Conjugate)	FC-FP	H
Chromatin Regulation / Nuclear Function		
16098SF Ezh2 (D2C9) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-F, IF-IC, FC-FP	H, M, R, Mk
45153S Phospho-Ezh2 (Thr345) (E7T7K) Rabbit mAb	WB, IP, ChIP, ChIP-seq, C&R	H, M, R, Mk
98399S Histone H3 (K36M Mutant Specific) (E8N1L) Rabbit mAb	WB, IF-IC, ChIP	H, M
87261SF Acetyl-Histone H3 (Lys27) (D5E4) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R, Mk, (Hm, X, Z, Hr, GP, Rab)
26917SF Di-Methyl-Histone H3 (Lys36) (C75H12) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
69375S NFI-A (E6Z1R) Rabbit mAb	WB, IF-IC, ChIP	H, M, R, Mk
67007S PRMT2 (E5R1P) Rabbit mAb	WB, IP	H, Mk
48779S UTY (E3C2J) Rabbit mAb	WB, IP	H
Cytoskeletal Signaling		
51774SF LAMP1 (D4O1S) Mouse mAb (BSA and Azide Free)	WB, IF-IC	H
85181S TGOLN2/TGN38 (E6B6A) Rabbit mAb	IF-F, IF-IC	M
76031SF α -Tubulin (DM1A) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
69227S Vimentin (D2IH3) XP [®] Rabbit mAb (Alexa Fluor [®] 750 Conjugate)	FC-FP	H, M, R, Mk
Developmental Biology		
79996S GDF15/MIC1 (E5Q8Q) Rabbit mAb	WB, IHC-P	H
53921SF YAP (D8H1X) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-IC, FC-FP	H, M, R, Hm, Mk, (B, Hr, GP)
Immunology and Inflammation		
26596SF 4-1BBL/CD137L/TNFSF9 (E8W3P) Rabbit mAb (BSA and Azide Free)	IHC-LB, IHC-P	H
77568S CARD9 (E4N1E) Rabbit mAb	WB, IP	M
41028SF CD11b/ITGAM (E6E1M) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	M
53391SF CD33 (E6V7H) Rabbit mAb (BSA and Azide Free)	IF-IC	H
86825SF CD36 (E8B7S) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	M, R
68351S CD177 (E6GIH) Rabbit mAb	WB	H
51309SF CEACAM6 (E7S7Y) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H

PRODUCT	APPLICATIONS	REACTIVITY
73315SF Cox2 (D5H5) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R
24357S Eosinophil cationic protein (E6U5M) Rabbit mAb	WB, IHC-P	H
76015SF Galectin-3/LGALS3 (E7B6R) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
71578S IFI6 (E8G9G) Rabbit mAb	WB	H
98139S IFN- γ (E3V1X) Rabbit mAb	WB	M
81517SF IRF-8 (E8X4K) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IHC-F, IF-IC, FC-FP	H, M, R
16675SF MAGE-C2/CT10 (E7B8D) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
28149SF MHC Class I (EMR8-5) Mouse mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H
66286SF NF- κ B p65 (C22B4) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R, Mk, B, (Dg)
73992S Phospho-NF- κ B p65 (Ser536) (93H1) Rabbit mAb (Alexa Fluor [®] 700 Conjugate)	FC-FP	H, M, R, Hm, Mk, Pg, (Dg)
27294S SLAMF6/Ly108 (E2P7A) Rabbit mAb (Alexa Fluor [®] 488 Conjugate)	FC-L	M
42402S SLAMF6/Ly108 (E2P7A) Rabbit mAb (Alexa Fluor [®] 647 Conjugate)	IF-F, IF-IC, FC-L	M
MAP Kinase Signaling		
31254S c-Fos (E2I7R) XP [®] Rabbit mAb	WB, IP, IHC-P, IF-F, IF-IC, CHIP	H, M, R
71835S K-Ras (E2M9G) Rabbit mAb	WB	H, M, R, Mk
Metabolism		
71217S Glycogen Synthase 2 (GYS2) (E5E4V) Rabbit mAb	WB	H, M, R
75806SF Hexokinase I (C35C4) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M
31059SF HNF4 α (C11F12) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H
35371S HSD17B13 (E5K7Q) Rabbit mAb	WB, IP	H
81677SF LPCAT1 (E4V4B) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
52238S Ornithine Decarboxylase/ODC (E5Q5U) Rabbit mAb	WB	H
Neuroscience		
31516SF ApoE (pan) (E8C2U) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H
39374SF AQP4 (D1F8E) XP [®] Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F	H, M, R
95478SF CREB (86B10) Mouse mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R, Mk
56440SF KCC2 (D1R2R) Rabbit mAb (BSA and Azide Free)	WB, IF-F	H, M, R
60044SF Neurofilament-M (E7Y8W) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
89010S Phospho-PINK1 (Ser228) (E9K3K) Rabbit mAb	WB	M, (H)
38411SF TDP43 (E2G6G) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
Protein Folding and Trafficking		
65014SF EEA1 (C45B10) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R
47289SF HSP27 (G31) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, Mk
31877S HSP47/SERPINH1 (E4A8P) Rabbit mAb	WB, IHC-P	H, Mk
RTK		
72040C PathScan [®] Phospho-Axl (Tyr702) Sandwich ELISA Kit	ELISA	H
88433SF EGF Receptor (D1P9C) Rabbit mAb (Mouse Preferred) (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	M
34699C PathScan [®] EGF Receptor (E746-A750del Specific) Sandwich ELISA Kit	ELISA	H
19514C PathScan [®] EGF Receptor (L858R Mutant Specific) Sandwich ELISA Kit	ELISA	H
Translational Control		
42235SF 4E-BP1 (53H11) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
56654S UPF3B (E5U4C) Rabbit mAb	WB, IF-IC	H, Mk
Ubiquitin and Ubiquitin-like proteins		
25314S N4BP1 (E8H5E) Rabbit mAb	WB, IP	H
37378S Cleaved N4BP1 (Asp488) (E8X4W) Rabbit mAb	WB	M
Related Products		
55256S DYKDDDDK Tag (D6W5B) Rabbit mAb (Binds to same epitope as Sigma's Anti-FLAG M2 Antibody) (Alexa Fluor [®] 750 Conjugate)	FC-FP	All
47880SF DYKDDDDK Tag (9A3) Mouse mAb (Binds to same epitope as Sigma's Anti-FLAG [®] M2 Antibody) (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	All

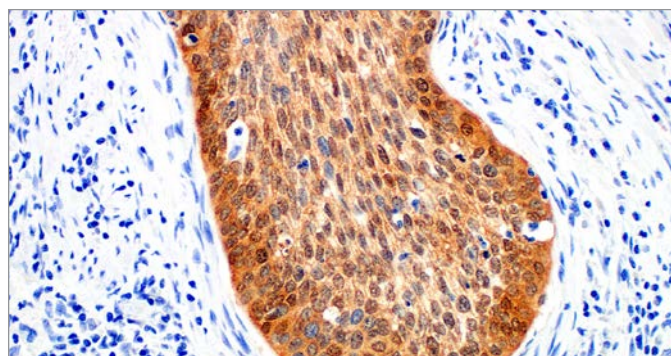
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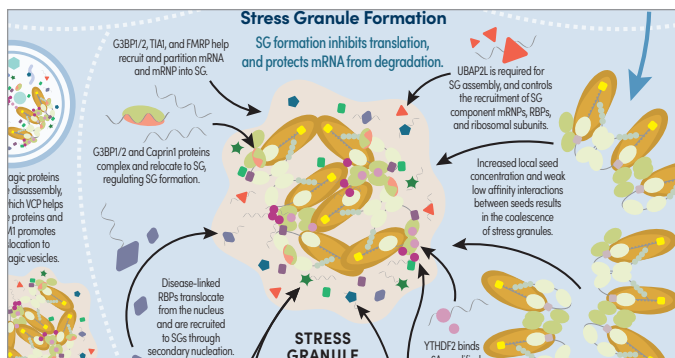
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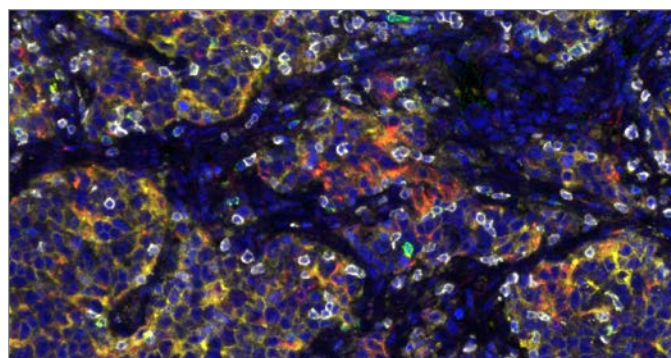
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