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CNOT7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CNOT7.
Catalog # AT1573a

Product Information

Application	WB, IF
Primary Accession	Q9UIV1
Other Accession	BC060852
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2F6
Calculated MW	32745

Additional Information

Gene ID	29883
Other Names	CCR4-NOT transcription complex subunit 7, BTG1-binding factor 1, CCR4-associated factor 1, CAF-1, Caf1a, CNOT7, CAF1
Target/Specificity	CNOT7 (AAH60852, 1 a.a. ~ 285 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CNOT7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

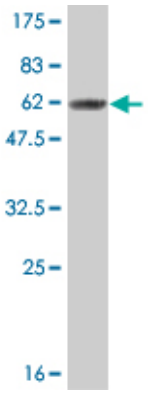
The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The protein has both mouse and yeast orthologs. Alternate splicing of this gene results in two transcript variants encoding different isoforms.

References

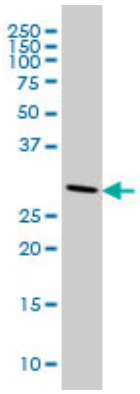
1.miRNA repression involves GW182-mediated recruitment of CCR4-NOT through conserved W-containing

motifs.Chekulaeva M, Mathys H, Zipprich JT, Attig J, Colic M, Parker R, Filipowicz W.Nat Struct Mol Biol. 2011 Oct 7;18(11):1218-26. doi: 10.1038/nsmb.2166.2.MAPKAP Kinase 2 Blocks Tristetraprolin-directed mRNA Decay by Inhibiting CAF1 Deadenylase Recruitment.Marchese FP, Aubareda A, Tudor C, Saklatvala J, Clark AR, Dean JL.J Biol Chem. 2010 Sep 3;285(36):27590-600. Epub 2010 Jul 1.

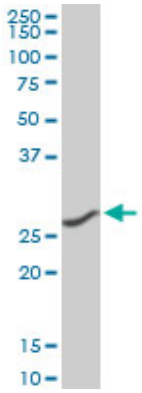
Images



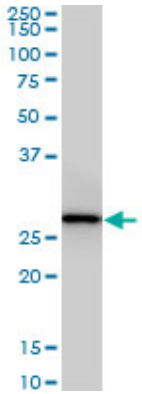
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (57.09 KDa) .



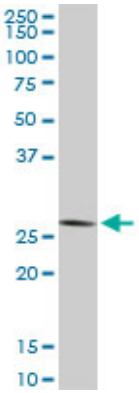
CNOT7 monoclonal antibody (M01), clone 2F6 Western Blot analysis of CNOT7 expression in HeLa ((Cat # AT1573a)



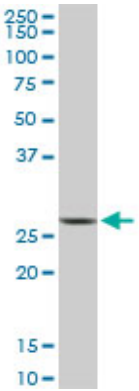
CNOT7 monoclonal antibody (M01), clone 2F6. Western Blot analysis of CNOT7 expression in PC-12 ((Cat # AT1573a)



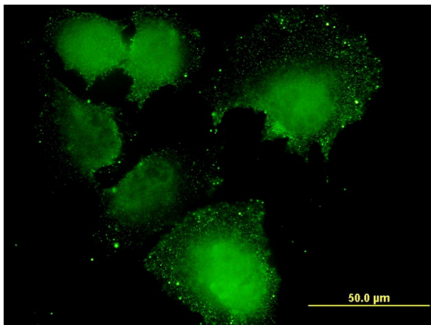
CNOT7 monoclonal antibody (M01), clone 2F6. Western Blot analysis of CNOT7 expression in Hela S3 NE ((Cat # AT1573a)



CNOT7 monoclonal antibody (M01), clone 2F6. Western Blot analysis of CNOT7 expression in Raw 264.7 ((Cat # AT1573a)



CNOT7 monoclonal antibody (M01), clone 2F6. Western Blot analysis of CNOT7 expression in NIH/3T3 ((Cat # AT1573a)



Immunofluorescence of monoclonal antibody to CNOT7 on HeLa cell. [antibody concentration 40 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.