

CNOT7 Antibody (monoclonal) (M01)

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

Product Information

ApplicationWB, IFPrimary AccessionQ9UIV1Other AccessionBC060852

Reactivity Human, Mouse, Rat

HostmouseClonalitymonoclonalIsotypeIgG2a 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

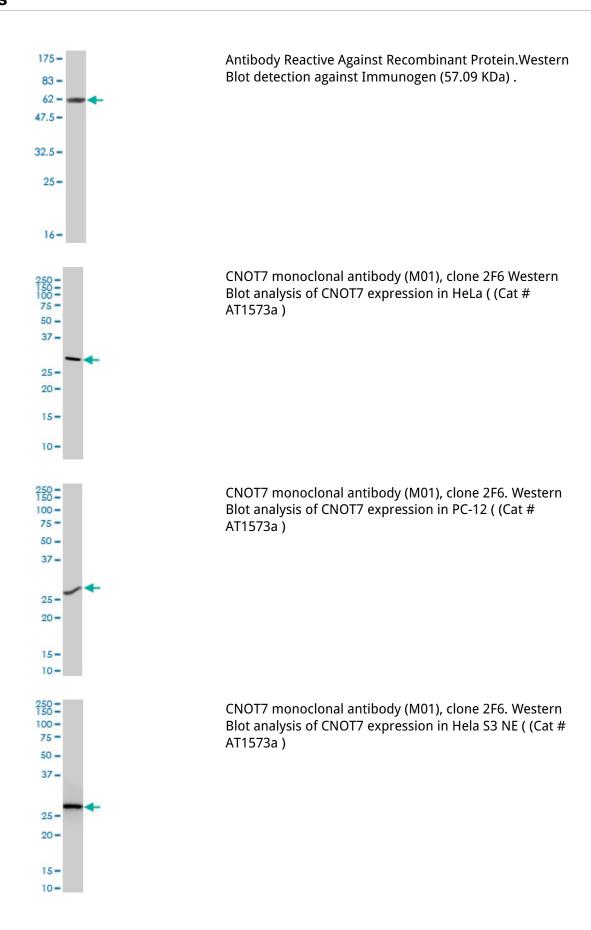
The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead 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.

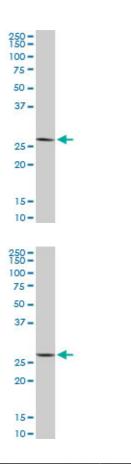
References

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

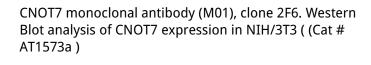
motifs.Chekulaeva M, Mathys H, Zipprich JT, Attig J, Colic M, Parker R, Filipowicz W.Nat Struct Mol Biol. 2011 Oct 7;18(11):1218-26. doi: 10.1038/nsmb.2166.2.MAPKAP Kinase 2 Blocks Tristetraprolin-directed mRNA Decay by Inhibiting CAF1 Deadenylase Recruitment.Marchese FP, Aubareda A, Tudor C, Saklatvala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

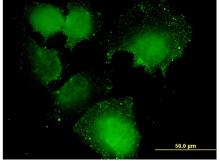
Images





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