

# CNOT7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CNOT7.

Catalog # AT1573a

## Product Information

---

<b>Application</b>	WB, IF
<b>Primary Accession</b>	<a href="#">Q9UIV1</a>
<b>Other Accession</b>	<a href="#">BC060852</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	2F6
<b>Calculated MW</b>	32745

## Additional Information

---

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

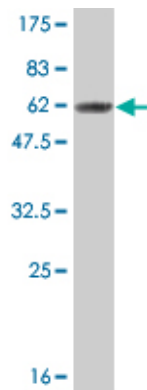
## References

---

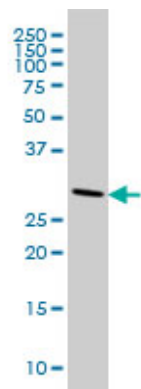
1.miRNA repression involves GW182-mediated recruitment of CCR4-NOT through conserved W-containing

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 Deadenylation 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.

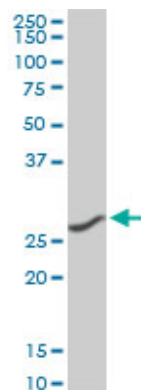
## Images



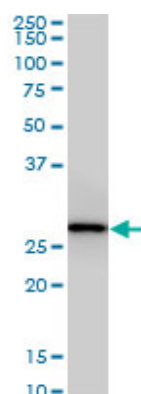
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (57.09 KDa) .



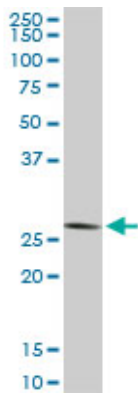
CNOT7 monoclonal antibody (M01), clone 2F6 Western Blot analysis of CNOT7 expression in HeLa ( (Cat # AT1573a )



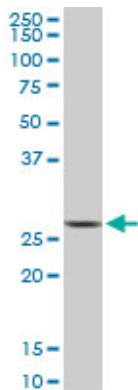
CNOT7 monoclonal antibody (M01), clone 2F6. Western Blot analysis of CNOT7 expression in PC-12 ( (Cat # AT1573a )



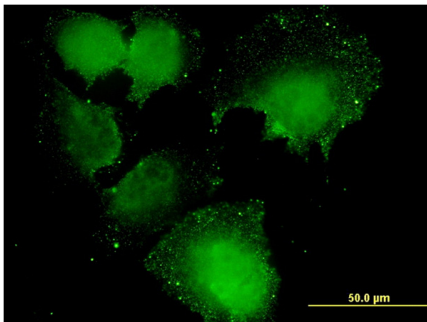
CNOT7 monoclonal antibody (M01), clone 2F6. Western Blot analysis of CNOT7 expression in HeLa S3 NE ( (Cat # AT1573a )



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'.