

# CNOT3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CNOT3.

Catalog # AT1572a

## Product Information

---

<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">O75175</a>
<b>Other Accession</b>	<a href="#">NM_014516</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	4B8
<b>Calculated MW</b>	81872

## Additional Information

---

<b>Gene ID</b>	4849
<b>Other Names</b>	CCR4-NOT transcription complex subunit 3, CCR4-associated factor 3, Leukocyte receptor cluster member 2, CNOT3, KIAA0691, LENG2, NOT3
<b>Target/Specificity</b>	CNOT3 (NP_055331, 1 a.a. ~ 100 a.a) partial 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 E~~N/A
<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>	CNOT3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

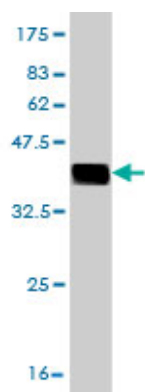
## References

---

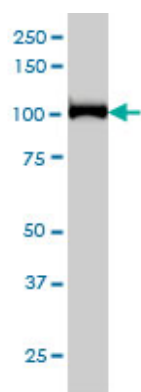
1. Identification of Ccr4-Not complex components as regulators of transition from partial to genuine induced pluripotent stem cells. Kamon M, Katano M, Hiraki-Kamon K, Hishida T, Nakachi Y, Mizuno Y, Okazaki Y, Suzuki A, Hirasaki M, Ueda A, Nishimoto M, Kato H, Okuda A. *Stem Cells Dev.* 2013 Nov 8;23(11):1811-21. doi: 10.1089/scd.2013.0511. Epub 2013 Oct 15.

2. The Anti-Proliferative Activity of BTG/TOB Proteins Is Mediated via the Caf1a (CNOT7) and Caf1b (CNOT8) Deadenylation Subunits of the Ccr4-Not Complex. Doidge R, Mittal S, Aslam A, Winkler GS. *PLoS One.* 2012;7(12):e51331. doi: 10.1371/journal.pone.0051331. Epub 2012 Dec 7.

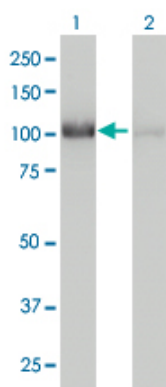
3. The Ccr4-not deadenylation subunits CNOT7 and CNOT8 have overlapping roles and modulate cell proliferation. Aslam A, Mittal S, Koch F, Andrau JC, Winkler GS. *Mol Biol Cell.* 2009 Sep;20(17):3840-50. Epub 2009 Jul 15.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

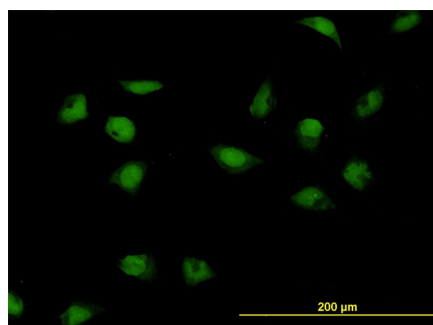


CNOT3 monoclonal antibody (M01), clone 4B8 Western Blot analysis of CNOT3 expression in HeLa S3 NE ( Cat # AT1572a )



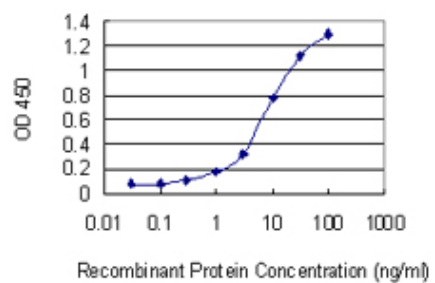
Western Blot analysis of CNOT3 expression in transfected 293T cell line by CNOT3 monoclonal antibody (M01), clone 4B8.

Lane 1: CNOT3 transfected lysate(82 KDa).  
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to CNOT3 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged CNOT3 is 0.3 ng/ml as a capture antibody.



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