

# Product Datasheet

## CNOT7 Antibody (2F6) - Azide and BSA Free H00029883-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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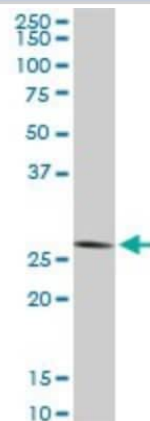
**H00029883-M01**

CNOT7 Antibody (2F6) - Azide and BSA Free

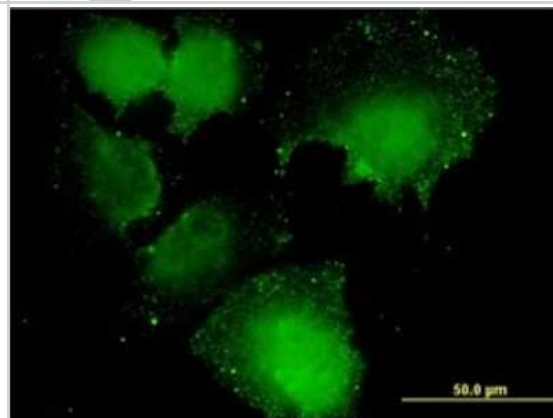
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2F6
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	29883
<b>Gene Symbol</b>	CNOT7
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Human, Mouse, & Rat. Other species not tested.
<b>Specificity/Sensitivity</b>	CNOT7 - CCR4-NOT transcription complex, subunit 7
<b>Immunogen</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. MPAATVDHSQRICEVWACNLDEEMKKIRQVIRKYNVAMDTFPGVVARPIGE FRSNADYQYQLLR CNVDLLKIIQLGLTFMNEQGEYPPGTSTWQFNFKFNLTED MYAQDSIELLTTSGIQFKKHEEEGIETQYFAELLMTSGVVLCEGVKWLFSHSGY DFGYLIKILTNSNLPEEELDFEILRLFFPVIYDVKYLKMKCKNLKGGGLQEVAEQL ELERIGPQHQA GSDSLLTGMAFFKMREMFFEDHIDDAKYCGHLYGLGSGSSYV QNGTGNAYEEEANKQS
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

**Images**

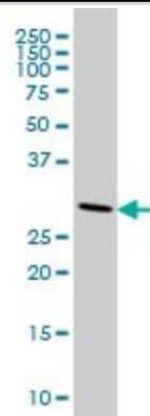
Western Blot: CNOT7 Antibody (2F6) [H00029883-M01] - CNOT7 monoclonal antibody (M01), clone 2F6. Analysis of CNOT7 expression in Raw 264.7.



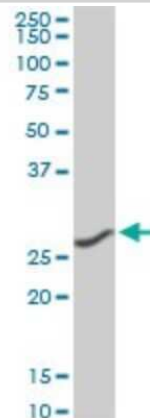
Immunocytochemistry/Immunofluorescence: CNOT7 Antibody (2F6) [H00029883-M01] - Analysis of monoclonal antibody to CNOT7 on HeLa cell. Antibody concentration 40 ug/ml.



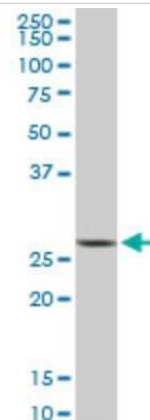
Western Blot: CNOT7 Antibody (2F6) [H00029883-M01] - CNOT7 monoclonal antibody (M01), clone 2F6 Analysis of CNOT7 expression in HeLa.



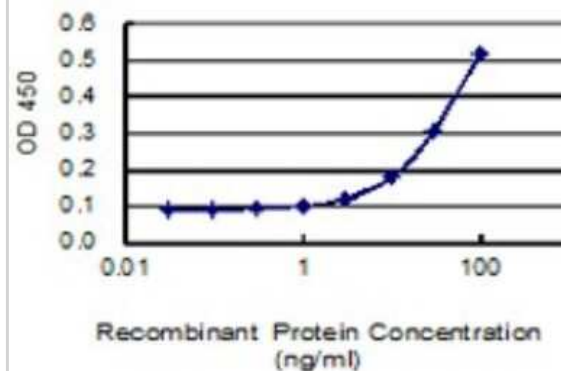
Western Blot: CNOT7 Antibody (2F6) [H00029883-M01] - CNOT7 monoclonal antibody (M01), clone 2F6. Analysis of CNOT7 expression in PC-12.



Western Blot: CNOT7 Antibody (2F6) [H00029883-M01] - CNOT7 monoclonal antibody (M01), clone 2F6. Analysis of CNOT7 expression in NIH/3T3.



Sandwich ELISA: CNOT7 Antibody (2F6) [H00029883-M01] - Detection limit for recombinant GST tagged CNOT7 is 3 ng/ml as a capture antibody.



## Publications

Toru S, Miyuki H, Saori N et al. Regulation of CCR4-NOT complex deadenylase activity and cellular responses by MK2-dependent phosphorylation of CNOT2. *RNA Biol.* 2022-02-06 [PMID: 35129087]

Shohei T, Akiko Y, Haytham M et al. Neuronal XRN1 is required for maintenance of whole-body metabolic homeostasis. *iScience.* 2021-10-22 [PMID: 34646989]

Yi H, Park J, Ha M et al. PABP Cooperates with the CCR4-NOT Complex to Promote mRNA Deadenylation and Block Precocious Decay. *Mol Cell* 2018-06-21 [PMID: 29932901]

Sheu-Gruttadauria J, MacRae IJ., et al. Phase Transitions in the Assembly and Function of Human miRISC. *Cell* 2018-03-16 [PMID: 29576456]

Marchese FP, Aubareda A, Tudor C et al. MAPKAP Kinase 2 Blocks Tristetraprolin-directed mRNA Decay by Inhibiting CAF1 Deadenylase Recruitment. *J Biol Chem.* 2010-07-01 [PMID: 20595389]

Chekulaeva M, Mathys H, Zipprich JT et al. miRNA repression involves GW182-mediated recruitment of CCR4-NOT through conserved W-containing motifs. *Nat Struct Mol Biol.* 2011-10-07 [PMID: 21984184]

Inoue T, Morita M, Hijikata A et al. CNOT3 contributes to early B cell development by controlling Igh rearrangement and p53 mRNA stability. *J Exp Med.* 2015-08-03 [PMID: 26238124]



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### **Products Related to H00029883-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-57301PEP	CNOT7 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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