

Datasheet for ABIN2780900
anti-CNOT7 antibody (N-Term)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	CNOT7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Horse, Rabbit, Guinea Pig, Goat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNOT7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CNOT7
Sequence:	TEFPGVVARP IGEFRSNADY QYQLLR CNVD LLKIIQLGLT FMNEQGEYPP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 79%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CNOT7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CNOT7
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Target Details

Alternative Name:	CNOT7 (CNOT7 Products)
Background:	<p>CNOT7 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. 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.</p> <p>Alias Symbols: CAF1, hCAF-1</p> <p>Protein Interaction Partner: FBXW11, TOB2, BTG2, FOXC2, UBC, BAG3, CNOT6, AGO2, AGO1, EPAS1, APP, ELAVL1, BTG1, Cnot3, HOXD4, IKBKG, BTG3, TOB1, CDK6, CDK4, CDK2, CDK1, PABPC1,</p> <p>Protein Size: 262</p>
Molecular Weight:	30 kDa
Gene ID:	29883
NCBI Accession:	NM_013354 , NP_037486
UniProt:	Q9UIV1
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 262 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

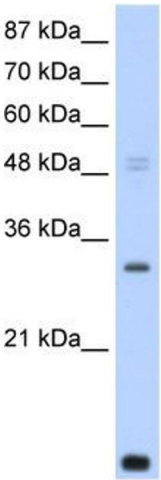
Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

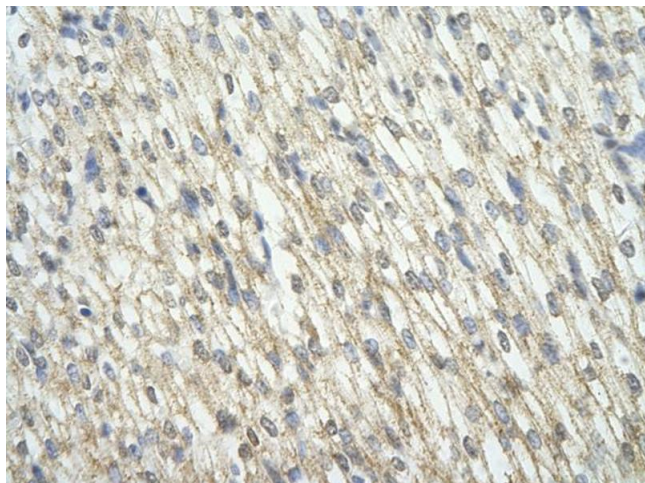
Product cited in:	Schiene-Fischer, Yu: "Receptor accessory folding helper enzymes: the functional role of peptidyl prolyl cis/trans isomerases." in: FEBS letters , Vol. 495, Issue 1-2, pp. 1-6, (2001) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-CNOT7 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate CNOT7 is supported by BioGPS gene expression data to be expressed in HepG2



Immunohistochemistry

Image 2. Rabbit Anti-CN0T7 antibody Paraffin Embedded
Tissue: Human Heart cell Cellular Data: cardiac cell Antibody
Concentration: 4.0-8.0 ug/ml Magnification: 400X