

Rabbit CNOT1 Polyclonal Antibody | anti-CNOT1 antibody

CNOT1 Antibody

CATALOG # AAA322838	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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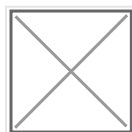
PRODUCT SYNONYMS

CNOT1; Polyclonal Antibody; CNOT1 Antibody; anti-CNOT1 antibody

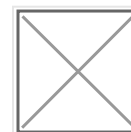
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CNOT1 antibody detects endogenous levels of CNOT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2371
Applicable Applications for anti-CNOT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CNOT1.
Subcellular Location	Nucleus
Tissue Specificity	Strongly expressed in brain, heart, thymus, spleen, kidney, liver, placenta and lung. Weakly expressed in skeletal muscle and colon.
Predicted Cross Reactivity	Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts of human brain tissue, using CNOT1 antibody.


IHC (Immunohistochemistry)

AAA322838 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CNOT1 antibody	Function: Scaffolding component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Its scaffolding function implies its interaction with the catalytic complex module and diverse RNA-binding proteins mediating the complex recruitment to selected mRNA 3'UTRs. Involved in degradation of AU-rich element (ARE)-containing mRNAs probably via association with ZFP36. Mediates the recruitment of the CCR4-NOT complex to miRNA targets and to the RISC complex via association with TNRC6A, TNRC6B or TNRC6C. Acts as a transcriptional repressor. Represses the ligand-dependent transcriptional activation by nuclear receptors. Involved in the maintenance of embryonic stem (ES) cell identity. Subunit Structure: Component of the CCR4-NOT complex; distinct complexes seem to exist that differ in the participation of probably mutually exclusive catalytic subunits. In the complex, interacts directly with CNOT6, CNOT6L, CNOT7 or CNOT8. Interacts in a ligand-dependent fashion with ESR1 and RXRA. Interacts with NANOS2, TOB1 and ZFP36. Interacts with TNRC6A, TNRC6B or TNRC6C; the interactions are direct. Similarity: Contains Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs, a motif known to be important for the association with nuclear receptors. Belongs to the CNOT1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	388454220
NCBI GeneID	23019
NCBI Accession #	NP_001252541.1
NCBI GenBank Nucleotide #	NM_001265612.1
UniProt Accession #	A5YKK6 ; Q68DX7 ; Q7Z3K2 ; Q8IWB8 ; Q8TB53 ; Q9BVZ6 ; Q9UFR8 ; Q9UI27 ; Q9Y2L0
Molecular Weight	Observed: 240-250 kDa; 174 kDa Predicted: 267 kDa
NCBI Official Full Name	CCR4-NOT transcription complex subunit 1 isoform c
NCBI Official Synonym Full Names	CCR4-NOT transcription complex subunit 1
NCBI Official Symbol	CNOT1
NCBI Official Synonym Symbols	NOT1; CDC39; NOT1H; AD-005
NCBI Protein Information	CCR4-NOT transcription complex subunit 1
UniProt Protein Name	CCR4-NOT transcription complex subunit 1
UniProt Gene Name	CNOT1
UniProt Synonym Gene Names	CDC39; KIAA1007; NOT1; NOT1H; hNOT1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cnot1-antibody-immunohistochemistry-western-blot-elisa/322838>