

Rabbit anti-Human, Mouse CNOT7 Polyclonal Antibody | anti-CNOT7 antibody

CNOT7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324161	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

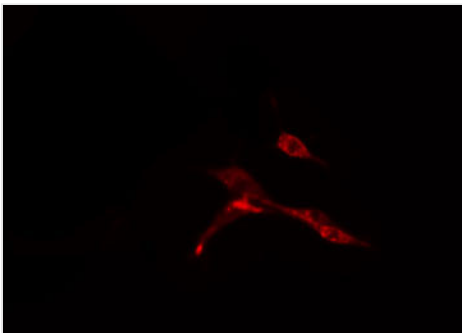
PRODUCT SYNONYMS

CNOT7; Polyclonal Antibody; CNOT7 Antibody; BTG1 binding factor 1; BTG1-binding factor 1; CAF 1; CAF-1; CAF1; Carbon catabolite repressor protein (CCR4) associative factor 1; CCR4 associated factor 1; CCR4 NOT transcription complex subunit 7; CCR4-associated factor 1; CCR4-NOT transcription complex subunit 7; CNOT 7; Cnot7; CNOT7_HUMAN; hCAF 1; hCAF1; anti-CNOT7 antibody

PRODUCT SPECIFICATIONS

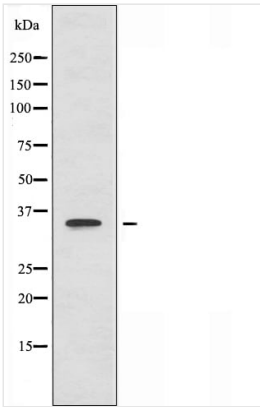
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CNOT7 antibody detects endogenous levels of total CNOT7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	244
Applicable Applications for anti-CNOT7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324161 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HUVEC cells using CNOT7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CNOT7 antibody

Function: Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT8. Catalytic 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. During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity. Subunit Structure: Component of the CCR4-NOT complex; distinct complexes seem to exist that differ in the participation of probably mutually exclusive catalytic subunits; the complex contains two deadenylase subunits, CNOT6 or CNOT6L, and CNOT7 or CNOT8 (PubMed:19558367). In the complex, interacts directly with CNOT1 (PubMed:21336257). Interacts with AGO2 (By similarity). Interacts with TOB1; recruited by TOB1 to a ternary complex with CPEB3 which is required for mRNA deadenylation and decay (PubMed:21336257, PubMed:23236473, PubMed:19276069). Interacts with BTG1 (By similarity). Interacts with BTG2 (PubMed:23236473). Interacts with NANOS2 (By similarity). Interacts with ZFP36, ZFP36L1 and ZFP36L2; these interactions are inhibited in response to phorbol 12-myristate 13-acetate (PMA) treatment in a p38 MAPK-dependent manner (PubMed:25106868). Similarity: Belongs to the CAF1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1015576845
NCBI GeneID	29883
NCBI Accession #	NP_001309016.1
NCBI GenBank Nucleotide #	NM_001322087.1
UniProt Accession #	Q9UIV1; Q7Z530; A8MZM5; B3KMP1; B3KN35; D3DSP6; G3V108
Molecular Weight	Observed: 36 kD Predicted: 33 kDa
NCBI Official Full Name	CCR4-NOT transcription complex subunit 7 isoform 2
NCBI Official Synonym Full Names	CCR4-NOT transcription complex subunit 7
NCBI Official Symbol	CNOT7
NCBI Official Synonym Symbols	CAF1; CAF-1; Caf1a; hCAF-1
NCBI Protein Information	CCR4-NOT transcription complex subunit 7

UniProt Protein Name	CCR4-NOT transcription complex subunit 7
UniProt Gene Name	CNOT7
UniProt Synonym Gene Names	CAF1; CAF-1

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/cnot7-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324161>