10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNOT6 Rabbit pAb

Catalog # AP98001

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9ULM6
Other Accession	Q9ULM6
Reactivity	Mouse
Predicted	Rat, Pig, Human, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63307
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CNOT6
Epitope Specificity	301-400/557
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CCR4/nocturin family. Contains 4 LRR (leucine-rich) repeats.
SUBUNIT	Subunit of the CCR4-NOT core complex that contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8. Interacts with UNR. Interacts with ZNF335.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CNOT6 is a widely expressed subunit of the CCR4-NOT transcription complex. The CCR4-NOT complex is an evolutionarily conserved, multi-component complex known to be involved in transcription as well as mRNA degradation. Various subunits (e.g. CNOT1, CNOT3) are involved in influencing nuclear hormone receptor activities. The CCR4-NOT complex is also involved in the regulation of Histone H3 lysine 4 methylation through a ubiquitin-dependent pathway that likely involves the proteasome. CNOT6 belongs to the CCR4/nocturin family and contains three LRR (leucine-rich) repeats. In the cytoplasm, CNOT6 acts as a poly(A) nuclease involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the Fos gene.

Additional Information

Gene ID	57472
Other Names	CCR4; Ccr4a; RGD1310783; CNOT6_HUMAN; CNOT6; CCR4 carbon catabolite repression 4-like; Carbon catabolite repressor protein 4 homolog; Cytoplasmic deadenylase; 3.1.13.4; KIAA1194; CNOT6_MOUSE; CNOT6_RAT; CCR4-NOT transcription complex subunit 6; CCR4-NOT transcription complex, subunit 6
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CNOT6
Synonyms	CCR4, CCR4a, KIAA1194
Function	Poly(A) nuclease with 3'-5' RNase activity. 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. Additional complex functions may be a consequence of its influence on mRNA expression. Involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the FOS gene in the cytoplasm. In the presence of ZNF335, enhances ligand-dependent transcriptional activity of nuclear hormone receptors, including RARA. The increase of ligand-dependent ESR1-mediated transcription is much smaller, if any. Mediates cell proliferation and cell survival and prevents cellular senescence.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q96LI5}. Nucleus {ECO:0000250|UniProtKB:Q96LI5}. Note=Predominantly cytoplasmic {ECO:0000250|UniProtKB:Q96LI5}

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