

CNO6L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5207a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96LI5
Other Accession	Q8VEG6 , Q5XH73 , Q6IR85
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Chicken, Bovine, Xenopus, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26522
Calculated MW	63001
Antigen Region	414-442

Additional Information

Gene ID	246175
Other Names	CNOT6L; CCR4B; CCR4-NOT transcription complex subunit 6-like; Carbon catabolite repressor protein 4 homolog B
Target/Specificity	This CNO6L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 414-442 amino acids from the C-terminal region of human CNO6L.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CNO6L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CNOT6L
Synonyms	CCR4B {ECO:0000303 PubMed:17452450}

Function	Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. 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. May be involved in the deadenylation-dependent degradation of mRNAs through the 3'-UTR AU-rich element-mediated mechanism. Involved in deadenylation-dependent degradation of CDKN1B mRNA. Its mRNA deadenylase activity can be inhibited by TOB1. Mediates cell proliferation and cell survival and prevents cellular senescence.
Cellular Location	Cytoplasm. Nucleus Note=Predominantly cytoplasmic.
Tissue Location	Highly expressed in placenta, skeletal muscle, pancreas, testis and leukocytes. Weakly expressed in heart, spleen and thymus.

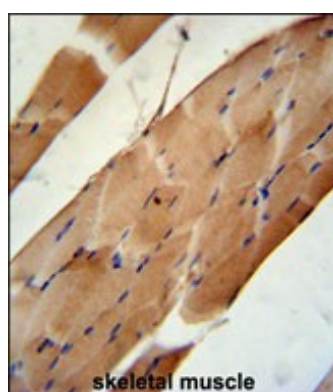
Background

CNO6L plays a role in the deadenylation of mRNAs in the cytoplasm. CNO6L has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. CNO6L may be involved in the deadenylation-dependent degradation of mRNAs through the 3'-UTR AU-rich element-mediated mechanism. This protein involved in deadenylation-dependent degradation of CDKN1B mRNA.

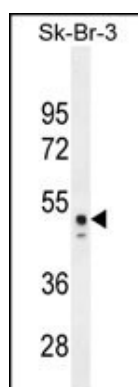
References

Miyasaka, T., et al. Cancer Sci. 99(4):755-761(2008)
Morita, M., et al. Mol. Cell. Biol. 27(13):4980-4990(2007)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007)

Images



CNO6L Antibody (C-term) (Cat. #AP5207a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CNO6L Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CNO6L Antibody (C-term) (Cat. #AP5207a) western blot analysis in Sk-Br-3 cell line tissue lysates (35ug/lane). This demonstrates the CNO6L antibody detected the CNO6L protein (arrow).

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