

## Rabbit CNO6L Polyclonal Antibody | anti-CNOT6L antibody

CNO6L Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY                                   | APPLICATIONS                              |
|-----------|--------|----------------------------------------------|-------------------------------------------|
| AAA285756 | Rabbit | Human (Predicted Reactivity: Xenopus, Mouse) | Western Blot, Immunohistochemistry, ELISA |

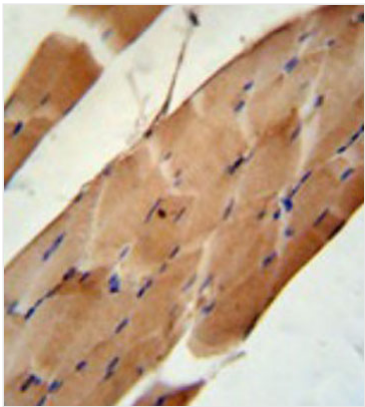
### PRODUCT SYNONYMS

CNO6L; Polyclonal Antibody; CNO6L Antibody (C-term); CNOT6L; CCR4B; CCR4-NOT transcription complex subunit 6-like; Carbon catabolite repressor protein 4 homolog B; anti-CNOT6L antibody

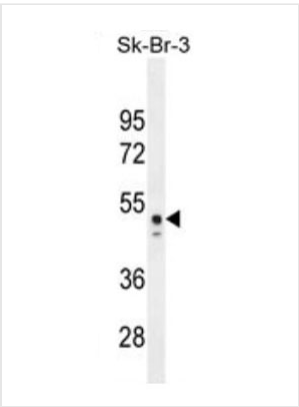
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                       | Human (Predicted Reactivity: Xenopus, Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                                      | This CNO6L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 414-442 aminoacids from the C-terminal region of human CNO6L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                              | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Positions                               | 414-442                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-CNOT6L antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

IMAGES



**IHC (Immunohistochemistry)**  
CNO6L Antibody (C-term) 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.



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

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CNOT6L antibody | 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)<br>Morita, M., et al. Mol. Cell. Biol. 27(13):4980-4990(2007)<br>Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007)                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 115583679                                      |
| NCBI GeneID                      | 246175                                         |
| NCBI Accession #                 | NP_653172.2                                    |
| NCBI GenBank Nucleotide #        | NM_144571.2                                    |
| UniProt Accession #              | Q96LI5; Q9UF92                                 |
| NCBI Official Full Name          | CCR4-NOT transcription complex subunit 6-like  |
| NCBI Official Synonym Full Names | CCR4-NOT transcription complex, subunit 6-like |
| NCBI Official Symbol             | CNOT6L                                         |
| NCBI Official Synonym Symbols    | CCR4b                                          |
| NCBI Protein Information         | CCR4-NOT transcription complex subunit 6-like  |
| UniProt Protein Name             | CCR4-NOT transcription complex subunit 6-like  |
| UniProt Gene Name                | CNOT6L                                         |
| UniProt Synonym Gene Names       | CCR4B                                          |
| UniProt Entry Name               | CNO6L_HUMAN                                    |

**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.

