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CNOT7 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10068

Specification

CNOT7 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9UIV1
Other Accession	Q9UIV1, NP_037486, NM_013354
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Yeast**
Predicted	**Human, Mouse, Rat, Zebrafish, Pig, Chicken, Goat, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**33 kDa KDa**

CNOT7 antibody - middle region - Additional Information

Gene ID 29883

Alias Symbol	**CAF1, hCAF-1**

Other Names
CCR4-NOT transcription complex subunit 7, BTG1-binding factor 1, CCR4-associated factor 1, CAF-1, Caf1a, CNOT7, CAF1

Target/Specificity
CNOT7 binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The protein has both mouse and yeast orthologs.

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-CNOT7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
CNOT7 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

CNOT7 antibody - middle region - Protein Information

Name CNOT7

Synonyms CAF1

Function
Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate (PubMed:19276069, PubMed:20634287, PubMed:31439799). Its function seems to be partially redundant with that of CNOT8 (PubMed:19605561). 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 (PubMed:19276069, PubMed:20634287, PubMed:31439799). During miRNA- mediated repression the complex also seems to act as translational repressor during translational initiation (PubMed:20065043). Additional complex functions may be a consequence of its influence on mRNA expression (PubMed:19276069, PubMed:23236473). Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti- proliferative activity (PubMed:19276069, PubMed:23236473).

Cellular Location
Nucleus. Cytoplasm, P-body {ECO:0000250|UniProtKB:Q60809}. Cytoplasm, Cytoplasmic ribonucleoprotein granule. Note=NANOS2 promotes its localization to P-body (By similarity). Recruited to cytoplasmic ribonucleoprotein membraneless compartments by CAPRIN1, promoting deadenylation of mRNAs (PubMed:31439799) {ECO:0000250|UniProtKB:Q60809, ECO:0000269|PubMed:31439799}

CNOT7 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CNOT7 antibody - middle region - Images

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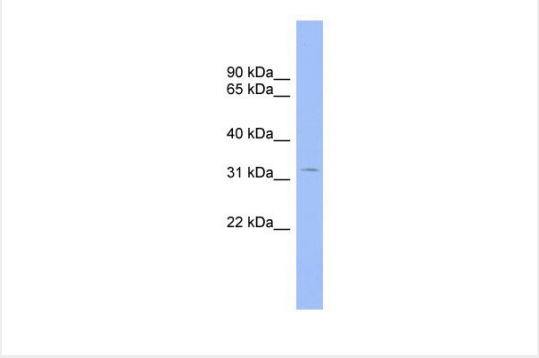

CNOT7 antibody - middle region (AI10068) in Human Placenta cells using Western Blot
WB Suggested Anti-CNOT7 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Human Placenta

CNOT7 antibody - middle region - Background

This is a rabbit polyclonal antibody against CNOT7. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).