

Anti-CNOT7 Antibody
Catalog # ABV11966**Specification**

Anti-CNOT7 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9UIV1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	32745

Anti-CNOT7 Antibody - Additional Information**Gene ID** 29883

Positive Control	WB: HeLa, HuvEc, DKD, mouse brain, rat brain lysates ; IHC: human ovarian cancer tissue
Application & Usage	WB; 1:500 - 1:2000, IH; 1:50 - 1:200

Other Names

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

Target/Specificity
CNOT7**Antibody Form**
Liquid**Appearance**
Colorless liquid**Handling**
The antibody solution should be gently mixed before use**Reconstitution & Storage**
-20°C**Background Descriptions****Precautions**

Anti-CNOT7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CNOT7 Antibody - Protein Information

Name CNOT7**Synonyms** CAF1**Function**

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

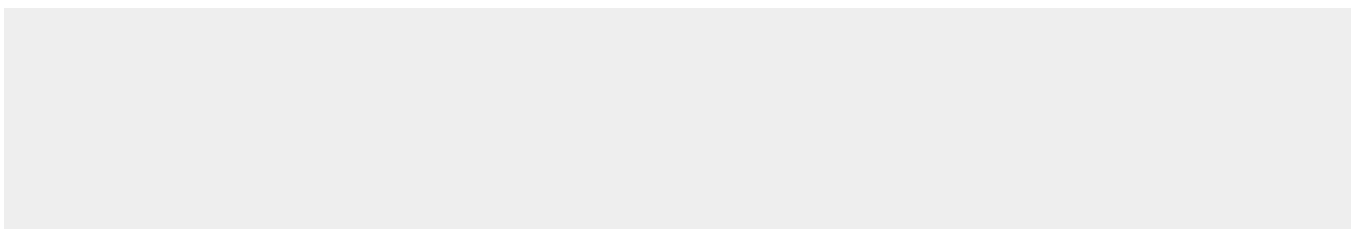
Cellular Location

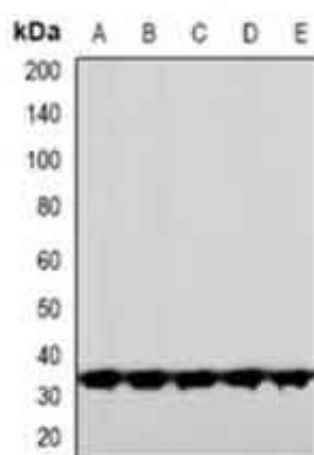
Nucleus. Cytoplasm, P-body {ECO:0000250|UniProtKB:Q60809}. Cytoplasm, Cytoplasmic ribonucleoprotein granule. Note=NANOS2 promotes its localization to P-body (By similarity). Recruited to cytoplasmic ribonucleoprotein membraneless compartments by CAPRIN1, promoting deadenylation of mRNAs (PubMed:31439799)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

Anti-CNOT7 Antibody - Protocols

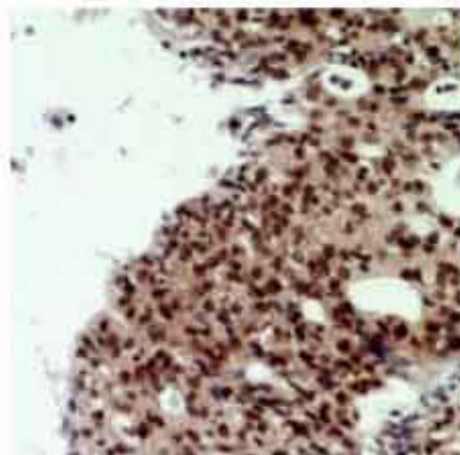
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CNOT7 Antibody - Images



WB analysis of CNOT7 expression in HeLa (A); HuvEc (B); DKD (C); mouse brain (D); rat brain (E) whole cell lysates



Immunohistochemical analysis of CNOT7 staining In human ovarian cancer formalin fixed paraffin embedded tissue section.