

**Anti-WTAP Antibody**  
**Rabbit polyclonal antibody to WTAP**  
**Catalog # AP61311****Specification**

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**Anti-WTAP Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q15007</a>
Other Accession	<a href="#">Q9ER69</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44244

**Anti-WTAP Antibody - Additional Information****Gene ID** 9589**Other Names**

KIAA0105; Pre-mRNA-splicing regulator WTAP; Female-lethal(2)D homolog; hFL(2)D; WT1-associated protein; Wilms tumor 1-associating protein

**Target/Specificity**

Recognizes endogenous levels of WTAP protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-WTAP Antibody - Protein Information****Name** WTAP {ECO:0000303|PubMed:11001926, ECO:0000312|HGNC:HGNC:16846}**Function**

Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing (PubMed:<a href="http://www.uniprot.org/citations/29507755" target="\_blank">29507755</a>). Required for accumulation of METTL3 and METTL14 to nuclear speckle (PubMed:<a href="http://www.uniprot.org/citations/24316715" target="\_blank">24316715</a>, PubMed:<a href="http://www.uniprot.org/citations/24407421" target="\_blank">24407421</a>, PubMed:<a href="http://www.uniprot.org/citations/24981863" target="\_blank">24981863</a>). Acts as a mRNA splicing regulator (PubMed:<a href="http://www.uniprot.org/citations/24981863" target="\_blank">24981863</a>).

href="http://www.uniprot.org/citations/12444081" target="\_blank">12444081</a>). Regulates G2/M cell-cycle transition by binding to the 3' UTR of CCNA2, which enhances its stability (PubMed:<a href="http://www.uniprot.org/citations/17088532" target="\_blank">17088532</a>). Impairs WT1 DNA-binding ability and inhibits expression of WT1 target genes (PubMed:<a href="http://www.uniprot.org/citations/17095724" target="\_blank">17095724</a>).

#### Cellular Location

Nucleus speckle. Nucleus, nucleoplasm. Cytoplasm {ECO:0000250|UniProtKB:Q9ER69}. Note=Mainly nuclear with some fraction located in the cytoplasm. ZC3H13 is required to anchor component of the MACOM subcomplex, such as VIRMA, in the nucleus {ECO:0000250|UniProtKB:Q9ER69}

#### Tissue Location

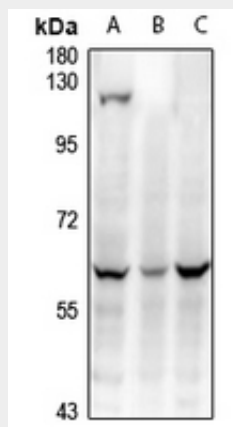
Ubiquitously expressed.

### Anti-WTAP Antibody - Protocols

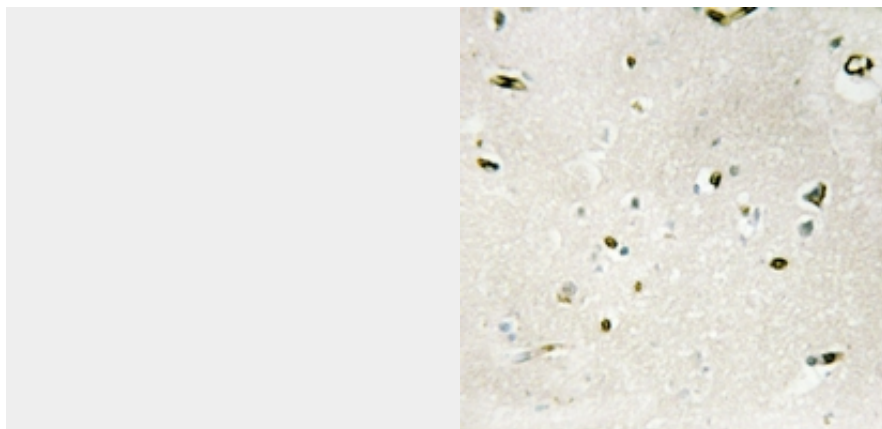
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-WTAP Antibody - Images



Western blot analysis of WTAP expression in MEF (A), EC9706 (B), Panc1 (C) whole cell lysates.



Immunohistochemical analysis of WTAP staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-WTAP Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human WTAP. The exact sequence is proprietary.