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WTAP Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16885b

Specification

WTAP Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q15007
Other Accession	NP_004897.2, NP_690597.1, NP_690596.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**44244**
Antigen Region	**272-301**

WTAP Antibody (C-term) - Additional Information

Gene ID 9589

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

Target/Specificity
This WTAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-301 amino acids from the C-terminal region of human WTAP.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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
WTAP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

WTAP Antibody (C-term) - 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:29507755). Required for accumulation of METTL3 and METTL14 to nuclear speckle (PubMed:24316715, PubMed:24407421, PubMed:24981863). Acts as a mRNA splicing regulator (PubMed:12444081). Regulates G2/M cell-cycle transition by binding to the 3' UTR of CCNA2, which enhances its stability (PubMed:17088532). Impairs WT1 DNA-binding ability and inhibits expression of WT1 target genes (PubMed:17095724).

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}

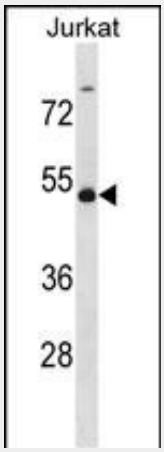
Tissue Location
Ubiquitously expressed.

WTAP Antibody (C-term) - 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

WTAP Antibody (C-term) - Images



WTAP Antibody (C-term) (Cat. #AP16885b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the WTAP antibody detected the WTAP protein (arrow).

WTAP Antibody (C-term) - Background

The Wilms tumor suppressor gene WT1 appears to play a role in both transcriptional and posttranscriptional regulation of certain cellular genes. This gene encodes a WT1-associating protein, which is a ubiquitously expressed nuclear protein. Like

WT1 protein, this protein is localized throughout the nucleoplasm as well as in speckles and partially colocalizes with splicing factors. Alternative splicing of this gene results in three transcript variants, two of which encode the same isoform.

WTAP Antibody (C-term) - References

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Zhong, S., et al. Plant Cell 20(5):1278-1288(2008)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)