

WTAP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16885b**Specification**

WTAP Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q15007](#)**WTAP Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WTAP Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WTAP Antibody (C-term) Blocking Peptide - Images**WTAP Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References

Su, J., et al. Diabetes Res. Clin. Pract. 87(2):167-175(2010) Small, T.W., et al. J. Biol. Chem. 284(37):24684-24695(2009) Benyamin, B., et al. Am. J. Hum. Genet. 84(1):60-65(2009) Zhong, S., et al. Plant Cell 20(5):1278-1288(2008) Matsuoka, S., et al. Science 316(5828):1160-1166(2007)