

## WTAP Antibody

Catalog No: #33889

Package Size: #33889-1 50ul #33889-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

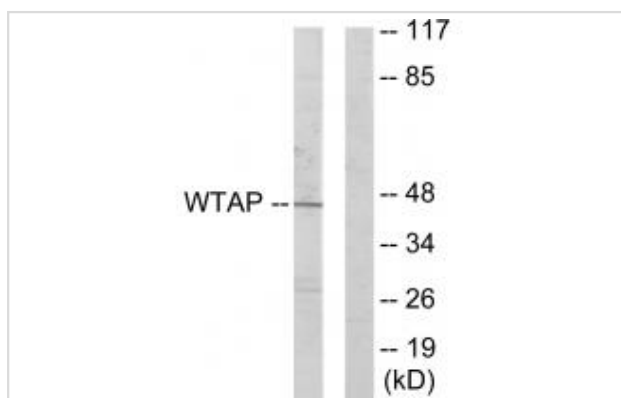
## Description

Product Name	WTAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total WTAPv protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human WTAP.
Target Name	WTAP
Other Names	KIAA0105; Putative pre-mRNA splicing regulator female-lethal (2D) homolog; WT1-associated protein; Wilms' tumor 1-associating protein;
Accession No.	Swiss-Prot: Q15007NCBI Gene ID: 9589
SDS-PAGE MW	44kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from HUVEC cells, using WTAP antibody #33889.

## Background

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Regulatory subunit of the WMM N6-methyltransferase complex, a multiprotein complex that mediates N6-methyladenosine (m6A) methylation of some adenosine residues of some mRNAs and plays a role in the efficiency of mRNA splicing and processing and mRNA stability. Required for accumulation of METTL3 and METTL14 to nuclear speckle. Acts as a mRNA splicing regulator. Regulates G2/M cell-cycle transition by binding to the 3' UTR of CCNA2, which enhances its stability. Impairs WT1 DNA-binding ability and inhibits expression of WT1 target genes.

Ortega A., J. Biol. Chem. 278:3040-3047(2003).

Nagase T., DNA Res. 2:37-43(1995).

Mungall A.J., Nature 425:805-811(2003).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.