

Rabbit WTAP Polyclonal Antibody | anti-WTAP antibody

WTAP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323981	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

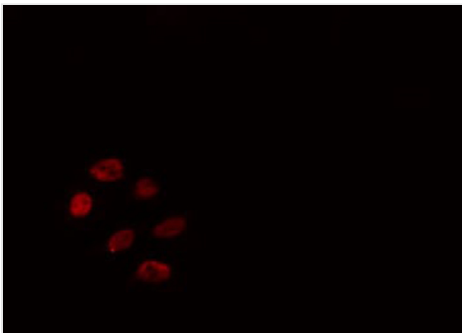
PRODUCT SYNONYMS

WTAP; Polyclonal Antibody; WTAP Antibody; DKFZp686F20131; Female-lethal(2)D homolog; FL2D_HUMAN; hFL(2)D; KIAA0105; MGC3925; Mum2; OTTHUMP00000017522; OTTHUMP00000017523; PNAS 132; PNAS-132; PNAS132; Pre mRNA splicing regulator WTAP; Pre-mRNA-splicing regulator WTAP; Putative pre mRNA splicing regulator female lethal 2D homolog; Putative pre mRNA splicing regulator female lethal(2D); Putative pre-mRNA splicing regulator female lethal(2D) homolog; putative pre-mRNA splicing regulator female-lethal(2D); Wilms tumor 1 associated protein; Wilms tumor 1 associating protein; Wilms tumor 1-associating protein; Wilms' tumor 1 associating protein; Wilms' tumour 1-associating protein; WT1 associated protein; WT1-associated protein; WT1-associating protein; wtap; anti-WTAP antibody

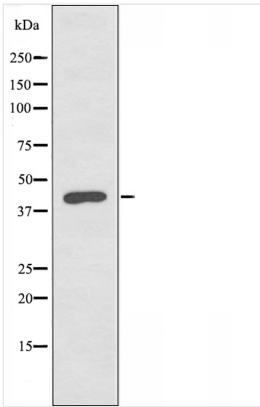
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	WTAP antibody detects endogenous levels of total WTAP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	396
Applicable Applications for anti-WTAP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleolus.
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Horse (90%), Sheep (100%), Dog (90%), Chicken (90%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

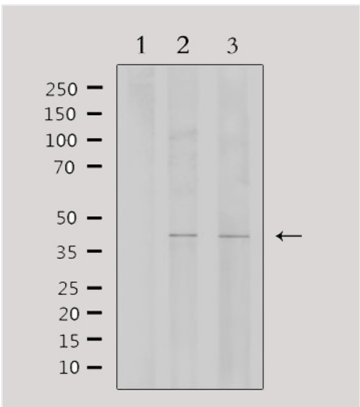
IMAGES



IF (Immunofluorescence)
AAA323981 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HUVEC cells, using WTAP antibody.



WB (Western Blot)
Western blot analysis of extracts from various samples, using WTAP Antibody. Lane 1: mouse brain treated with blocking peptide; Lane 2: mouse brain; Lane 3: rat brain;

ADDITIONAL INFORMATION

Related Product Information for anti-WTAP antibody

Function: 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, processing and mRNA stability. 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).

Subunit Structure: Component of the WMM complex, a N6-methyltransferase complex composed of WTAP, METTL3 and METTL14 (PubMed:24407421, PubMed:24981863, PubMed:24316715). Interacts with WT1 (PubMed:11001926, PubMed:17095724). Component of the WTAP complex composed of WTAP, ZC3H13, CBLL1, VIRMA, RBM15, BCLAF1 and THRAP3 (PubMed:24100041).

Similarity: Belongs to the fl(2)d family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	395455090
NCBI GeneID	9589
NCBI Accession #	NP_001257460.1
NCBI GenBank Nucleotide #	NM_001270531.1
UniProt Accession #	Q15007; Q5TCL8; Q5TCL9; Q96T28; Q9BYJ7; Q9H4E2

Molecular Weight	Observed: 44 kD Predicted: 45 kDa
NCBI Official Full Name	pre-mRNA-splicing regulator WTAP isoform 1
NCBI Official Synonym Full Names	WT1 associated protein
NCBI Official Symbol	WTAP
NCBI Official Synonym Symbols	Mum2
NCBI Protein Information	pre-mRNA-splicing regulator WTAP
UniProt Protein Name	Pre-mRNA-splicing regulator WTAP
UniProt Gene Name	WTAP
UniProt Synonym Gene Names	hFL(2)D1 PublicationManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/wtap-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323981>