

Anti-WTAP Antibody (clone 1B11)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17991

Product Information

Application	WB, IHC-P, E
Primary Accession	Q15007
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Names	1B11
Calculated MW	44244
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	9589
Alias Symbol	WTAP
Other Names	WTAP, HFL(2)D, KIAA0105, PNAS-132, WT1-associated protein, Female-lethal(2)D homolog
Target/Specificity	Human WTAP
Reconstitution & Storage	Protein A purified
Precautions	Anti-WTAP Antibody (clone 1B11) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.