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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'.