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Immunotag™ WTAP Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4908
Product Description	Immunotag™ WTAP Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	WTAP
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human WTAP. AA range:321-370
Specificity	WTAP Polyclonal Antibody detects endogenous levels of WTAP protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	WTAP
Accession No.	Q15007 Q9ER69
Alternate Names	WTAP; KIAA0105; Pre-mRNA-splicing regulator WTAP; Female-lethal(2)D homolog; hFL(2)D; WT1-associated protein; Wilms tumor 1-associating protein

Antibody Specification

Description	Wilms tumor 1 associated protein(WTAP) Homo sapiens 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 several transcript variants encoding three different isoforms. [provided by RefSeq, Jul 2012],
Protein Expression	Amygdala,Bone marrow,Epithelium,Fetal kidney,Lung,Placenta,Uterus,
Subcellular Localization	nucleus,nucleoplasm,nuclear speck,nuclear membrane,MIS complex,
Protein Function	function: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. May be involved in mRNA splicing regulation.,induction:In smooth muscle cells, up-regulated after serum withdrawal, when cells become mature and non proliferative.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the fl(2)d family.,subunit:Interacts with WT1.,tissue specificity:Ubiquitously expressed.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.