



WTAP Polyclonal Antibody

Catalog No	YP-Ab-04270
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	WTAP
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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Wilms tumor 1-associating protein;Pre-mRNA-splicing regulator WTAP;Mum2; KIAA0105;FL2D;WTAP;Female-lethal(2)D homolog;hFL(2)D;WT1-associated protein
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Nucleus speckle . Nucleus, nucleoplasm . Cytoplasm . 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. .
Tissue Specificity	Ubiquitously expressed.
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.,



Background

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],

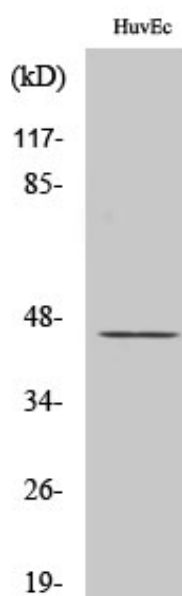
matters needing attention

Avoid repeated freezing and thawing!

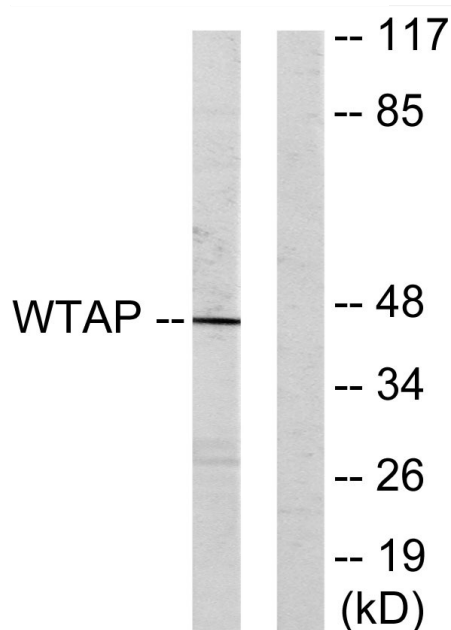
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

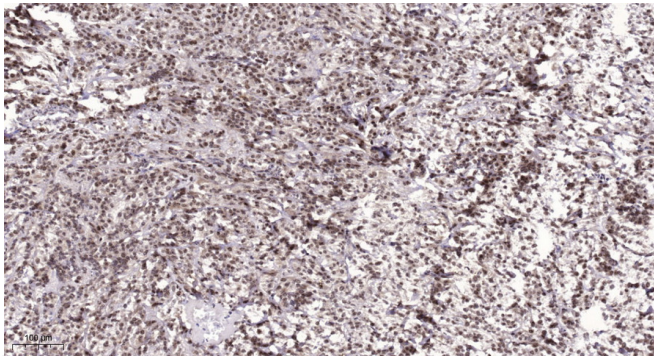
Products Images



Western Blot analysis of various cells using WTAP Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot analysis of lysates from HUVEC cells, using WTAP Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).