

ARG40182 anti-WTAP antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes WTAP
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	WTAP
Species	Human
Immunogen	Full length fusion protein of Human WTAP.
Conjugation	Un-conjugated
Alternate Names	Mum2; WT1-associated protein; Wilms tumor 1-associating protein; Female-lethal; 2; hFL; Pre-mRNA-splicing regulator WTAP

Application Instructions

Application table	Application	Dilution
	IHC-P	1:30 - 1:150
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human thyroid cancer	

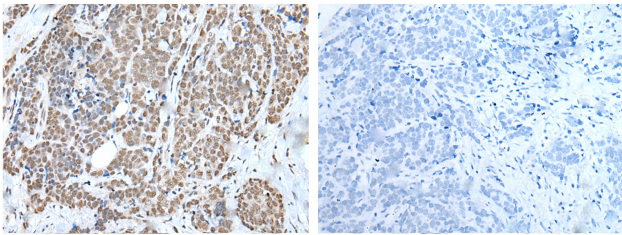
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	WTAP
Gene Full Name	Wilms tumor 1 associated protein
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]
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. Acts as a mRNA splicing regulator. 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. [UniProt]
Calculated Mw	44 kDa
Cellular Localization	Nucleus, nucleoplasm. Nucleus speckle. [UniProt]

Images



ARG40182 anti-WTAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer stained with ARG40182 anti-WTAP antibody (left) at 1:35 dilution, or the same antibody pre-incubated with antigen (right).