

For Research Use Only

# WTAP Monoclonal antibody

Catalog Number: 60188-1-Ig

Featured Product

97 Publications



## Basic Information

**Catalog Number:**

60188-1-Ig

**GenBank Accession Number:**

BC000383

**Purification Method:**

Protein A purification

**Size:**

150ul, Concentration: 1000 ug/ml by Nanodrop;

**GeneID (NCBI):**

9589

**CloneNo.:**

4A10G9

**Source:**

Mouse

**UNIPROT ID:**

Q15007

**Recommended Dilutions:**

WB 1:5000-1:50000

**Full Name:**

Wilms tumor 1 associated protein

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

**Isotype:**

IgG1

**Calculated MW:**

45 kDa

IHC 1:500-1:2000

**Immunogen Catalog Number:**

AG0259

**Observed MW:**

50 kDa

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Positive Controls:**

**WB :** MCF-7 cells, HeLa cells, HEK-293 cells, HepG2 cells, LNCaP cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

**Cited Applications:**

WB, IHC, IF, IP, RIP

**IP :** HeLa cells,

**Species Specificity:**

human, mouse, rat

**IHC :** human colon tissue,

**Cited Species:**

human, mouse, rat, drosophila

**IF/ICC :** HeLa cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

WTAP, also named as KIAA0105 and hFL(2)D, is previously identified as a protein associated with Wilms' tumor-1 (WT-1) protein that is essential for the development of the genitourinary system. It is a Pre-mRNA-splicing regulator protein. It is a regulatory subunit of the WMM N6-methyltransferase complex which plays a role in the efficiency of mRNA splicing and processing and mRNA stability. It is required for accumulation of METTL3 and METTL14 to nuclear speckle. MW of WTAP is 45-50 kDa due to phosphorylation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fanpeng Zhao	34593014	Mol Neurodegener	WB
Jing Wang	32998774	J Ovarian Res	WB
Qian Luo	36175708	Med Oncol	IHC, WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

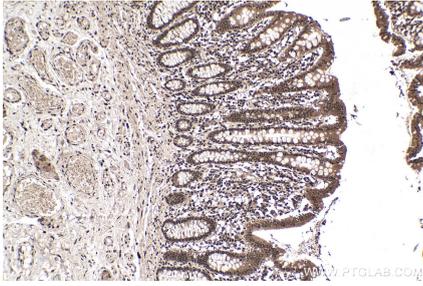
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

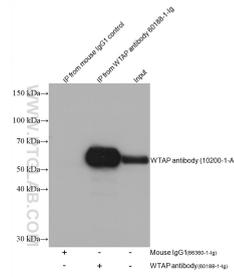
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

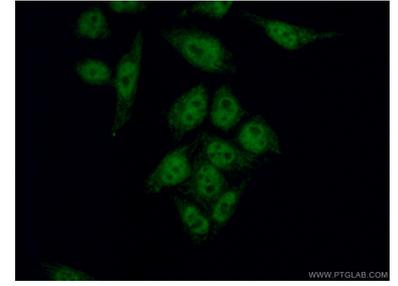
## Selected Validation Data



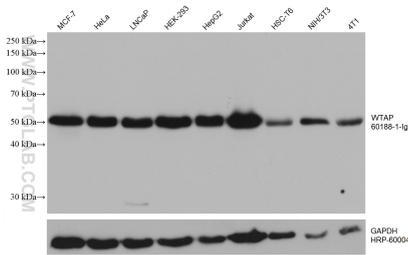
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60188-1-Ig (WTAP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



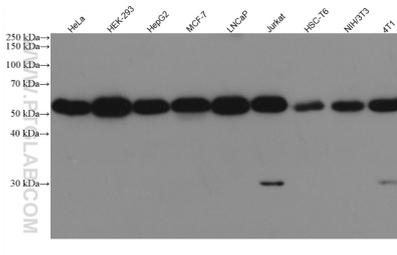
IP result of anti-WTAP (IP:60188-1-Ig, 4ug; Detection:10200-1-AP 1:8000) with HeLa cells lysate 2000 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 60188-1-Ig (WTAP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 60188-1-Ig (WTAP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 60188-1-Ig (WTAP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.