

For Research Use Only

TAB1 Polyclonal antibody

Catalog Number: 27566-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

27566-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25576

GenBank Accession Number:

BC050554

GeneID (NCBI):

10454

UNIPROT ID:

Q15750

Full Name:

mitogen-activated protein kinase
kinase kinase 7 interacting protein 1

Calculated MW:

55 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse

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

Positive Controls:

WB : A375 cells, HEK-293T cells, NIH/3T3 cells, HCT
116 cells, HeLa cells, K-562 cells

IHC : human colon cancer tissue, human liver tissue

Background Information

TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 (TAB1) is also named TAK1-binding protein 1 and MAP3K7IP1. TAB1 is constitutively associated with the composition N-terminal kinase domain of TAK1 and can be activated by pro-inflammatory cytokines (TNF α and IL-1 β) and toll-like receptor ligands (PMID: 38072991). TAB1 is a scaffolding protein required for TGF- β activated kinase-1 (TAK1) mediated signalling. TAB1 is a specific protein that interacts with transforming growth factor β -activated kinase 1 (TAK1) (PMID: 32676538). TAB1/TAK1 can activate nuclear factor κ B (NF- κ B) in high glucose (HG)-induced BMMS, regulating macrophage activation (PMID: 32296020, PMID: 23851980).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuting Cheng	33204339	Theranostics	WB
Huimin Jiang	40373277	Blood	WB,IP
Shihan Wang	39273640	Int J Mol Sci	WB,IF

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

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

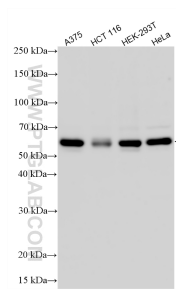
T: 4006900926

E: Proteintech-CN@ptglab.com

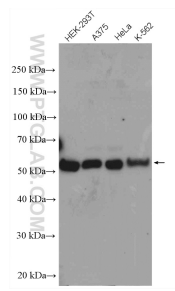
W: ptgcn.com

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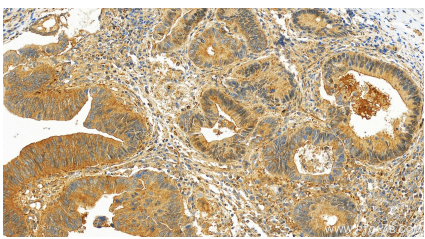
Selected Validation Data



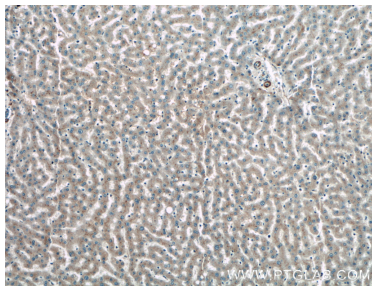
Various lysates were subjected to SDS PAGE followed by western blot with 27566-1-AP (TAB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



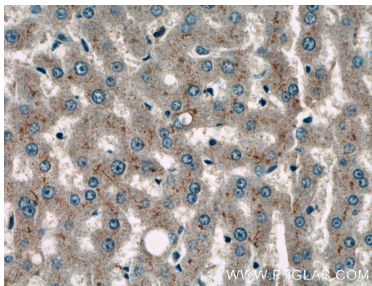
Various lysates were subjected to SDS PAGE followed by western blot with 27566-1-AP (TAB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27566-1-AP (TAB1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 27566-1-AP (TAB1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 27566-1-AP (TAB1 antibody) at dilution of 1:200 (under 40x lens).