

For Research Use Only

# TRAF3IP3 Polyclonal antibody

Catalog Number: 18110-1-AP

1 Publications



## Basic Information

Catalog Number:

18110-1-AP

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12559

GenBank Accession Number:

BC110302

GeneID (NCBI):

80342

UNIPROT ID:

Q9Y228

Full Name:

TRAF3 interacting protein 3

Calculated MW:

353aa, 41 kDa; 551aa, 64 kDa

Observed MW:

64 kDa, 47 kDa, 41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : Jurkat cells, human colon cancer tissue, mouse thymus tissue

IHC : human colon cancer tissue, human tonsillitis tissue

**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

TRAF3 interacting protein 3 (TRAF3IP3) is an essential adapter protein containing a coiled-coil domain that affects both innate and adaptive immunity. It plays a crucial role in the regulation of thymocyte development (PMID:26195727), and it also regulates T-cell stability and function by recruiting the serine-threonine phosphatase catalytic subunit (PPP2CA) to the lysosome, thereby facilitating the interaction of PP2Ac with the mTORC1 component RPTOR and restricting glycolytic metabolism (PMID:30115741). TRAF3IP3 responds to viral infection, facilitates the recruitment of TRAF3 to MAVS within mitochondria leading to IRF3 activation and interferon production (PMID:31390091). TRAF3IP3 has 3 isoforms produced by alternative splicing with the molecular weight of 64 kDa, 47 kDa and 41 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yiqi Zhang	39166607	Braz J Med Biol Res	IHC

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

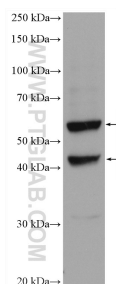
T: 4006900926

E: Proteintech-CN@ptglab.com

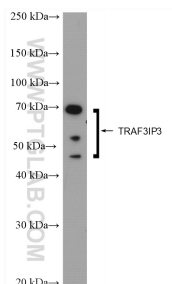
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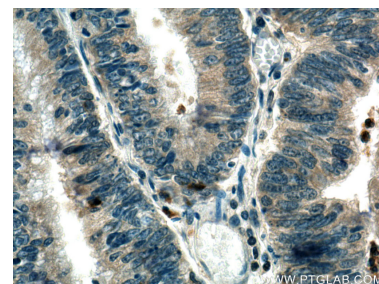
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 18110-1-AP (TRAF3IP3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 18110-1-AP (TRAF3IP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 18110-1-AP (TRAF3IP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).