

For Research Use Only

# TRAF3IP3 Polyclonal antibody

Catalog Number: 18110-1-AP



## Basic Information

<b>Catalog Number:</b> 18110-1-AP	<b>GenBank Accession Number:</b> BC110302	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80342	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> TRAF3 interacting protein 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 353aa,41 kDa; 551aa,64 kDa	
<b>Immunogen Catalog Number:</b> AG12559	<b>Observed MW:</b> 64 kDa, 47 kDa, 41 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

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

**IHC:** human colon cancer tissue, human tonsillitis tissue

## 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.

## 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

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

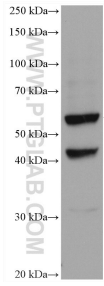
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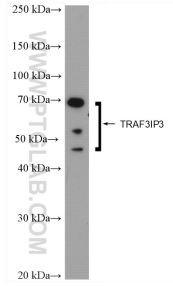
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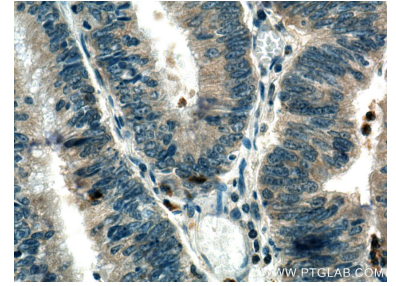
## Selected Validation Data



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).