

For Research Use Only

TRAF3IP3 Polyclonal antibody

Catalog Number: 18110-1-AP

1 Publications



Basic Information

Catalog Number: 18110-1-AP	GenBank Accession Number: BC110302	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 80342	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y228	
Isotype: IgG	Full Name: TRAF3 interacting protein 3	
Immunogen Catalog Number: AG12559	Calculated MW: 353aa, 41 kDa; 551aa, 64 kDa	
	Observed MW: 64 kDa, 47 kDa, 41 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: IHC	WB : Jurkat cells, human colon cancer tissue, mouse thymus tissue
Species Specificity: human, mouse	IHC : human colon cancer tissue, human tonsillitis tissue
Cited Species: human	

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

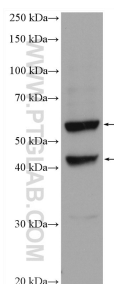
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

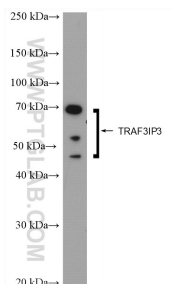
For technical support and original validation data for this product please contact:
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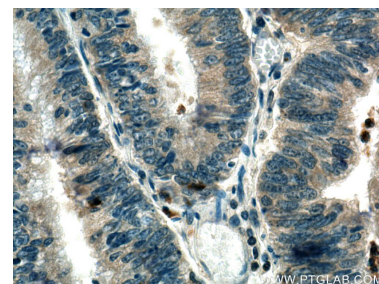
Selected Validation Data



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).