

For Research Use Only

TRAFD1 Polyclonal antibody

Catalog Number: 27741-1-AP

Featured Product



Basic Information

Catalog Number:

27741-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26945

GenBank Accession Number:

BC003553

GeneID (NCBI):

10906

UNIPROT ID:

O14545

Full Name:

TRAF-type zinc finger domain containing 1

Calculated MW:

582 aa, 65 kDa

Observed MW:

65-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human

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: HEK-293 cells, HeLa cells, K-562 cells, A549 cells

IP: HEK-293 cells,

IHC: human tonsillitis tissue, human intrahepatic cholangiocarcinoma tissue, human ovary cancer tissue

Background Information

TRAFD1, also known as TRAF-type zinc finger domain containing 1, is a protein that plays a significant role in immune system signaling pathways. It was first identified as an interferon- (IFN) and lipopolysaccharide- (LPS) inducible factor. TRAFD1 contains a TRAF-type zinc finger domain at its N-terminus and a TRAF6-binding motif in its middle region, which allows it to interact with other TRAF proteins and modulate immune responses. In the context of immune signaling, TRAFD1 has been shown to suppress the inflammatory responses to innate immunity by inhibiting Toll-like receptor 4 (TLR4) dependent NF- κ B and MAPK activation in monocytes/macrophages. This suggests that TRAFD1 can act as a negative regulator of immune signaling, dampening the inflammatory response. Moreover, TRAFD1 has been implicated in human diseases. It is overexpressed in many B cell-related cancers, and single nucleotide polymorphisms (SNPs) in TRAFD1 have been linked to non-Hodgkin's lymphoma.

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

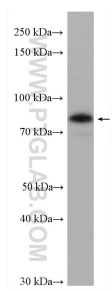
For technical support and original validation data for this product please contact:

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

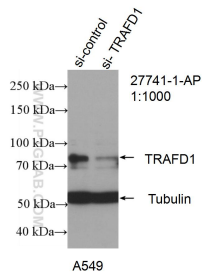
E: proteintech@ptglab.com
W: ptglab.com

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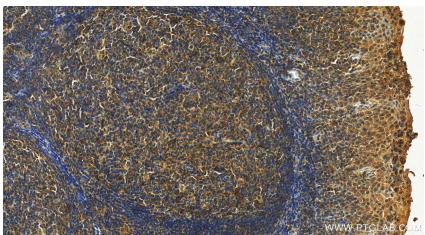
Selected Validation Data



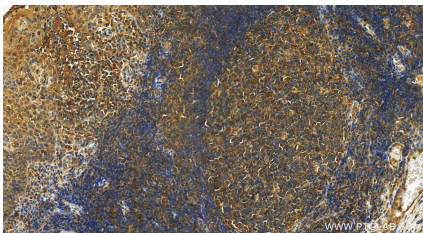
HEK-293 cells were subjected to SDS PAGE followed by western blot with 27741-1-AP (TRAFD1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



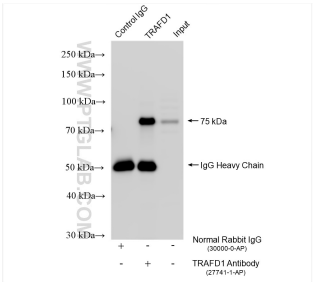
WB result of TRAFD1 antibody (27741-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRAFD1 transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27741-1-AP (TRAFD1 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 tonsillitis tissue slide using 27741-1-AP (TRAFD1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TRAFD1 (IP:27741-1-AP, 4ug; Detection:27741-1-AP 1:800) with HEK-293 cells lysate 1575 ug.