

For Research Use Only

TNFAIP8L2 Polyclonal antibody

Catalog Number: 15940-1-AP

Featured Product

38 Publications



Basic Information

Catalog Number:

15940-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7964

GenBank Accession Number:

BC063014

GeneID (NCBI):

79626

UNIPROT ID:

Q6P589

Full Name:

tumor necrosis factor, alpha-induced protein 8-like 2

Calculated MW:

184 aa, 21 kDa

Observed MW:

18-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

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

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 ul suspension

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: THP-1 cells, mouse small intestine tissue, mouse cerebellum tissue, rat lymph tissue, rat spleen tissue, RAW 264.7 cells, mouse spleen tissue

IP: mouse spleen tissue,

IHC: human lymphoma tissue, human ovary tumor tissue, mouse spleen tissue

IF/ICC: RAW 264.7 cells, HepG2 cells

FC (Intra): THP-1 cells,

Background Information

TIPE2 (TNF- α -inducible protein 8-like 2, or TNFAIP8L2), a negative immune regulator, is essential for maintaining immune homeostasis. TIPE2 shares considerable sequence homology with members of the tumor necrosis factor- α -inducible protein 8 (TNFAIP8) family, which are thought to regulate cellular and immune homeostasis. TIPE2 acts as a negative regulator of Toll-like receptor and T-cell receptor function and is preferentially expressed in lymphoid tissues. TIPE2 plays an essential role for a signal transduction pathway that links inflammatory immune response to specific conditions after cerebral ischemia

Notable Publications

Author	Pubmed ID	Journal	Application
Jiacheng Bi	34524845	Sci Adv	WB
Michitaka Oho	27601471	J Biol Chem	WB, IF
Xiaojing Wu	31486847	Inflamm 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

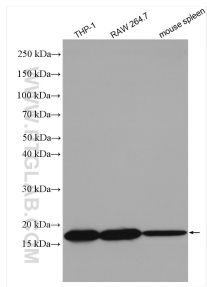
For technical support and original validation data for this product please contact:

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

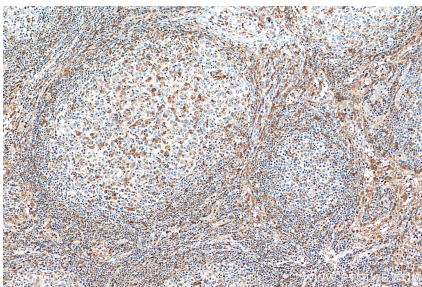
E: proteintech@ptglab.com
W: ptglab.com

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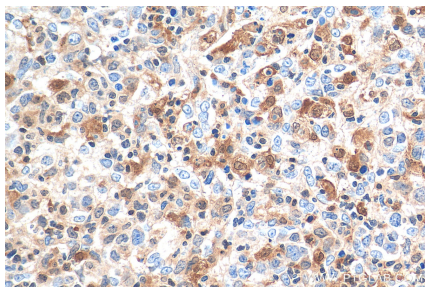
Selected Validation Data



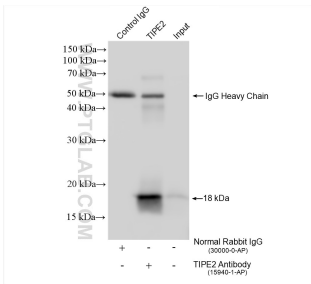
Various lysates were subjected to SDS PAGE followed by western blot with 15940-1-AP (TIPE2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



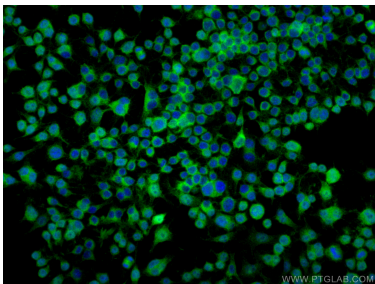
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 15940-1-AP (TIPE2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



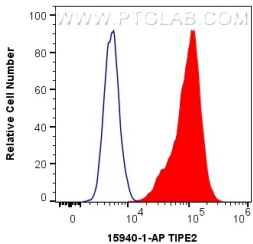
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 15940-1-AP (TIPE2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TIPE2 (IP:15940-1-AP, 4ug; Detection:15940-1-AP 1:2000) with mouse spleen tissue lysate 1400 ug.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using TIPE2 antibody (15940-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ THP-1 cells were intracellularly stained with 0.4 ug Anti-Human TIPE2 (15940-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).