

For Research Use Only

TOLLIP Polyclonal antibody

Catalog Number: 11315-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

11315-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1864

GenBank Accession Number:

BC012057

GeneID (NCBI):

54472

UNIPROT ID:

Q9H0E2

Full Name:

toll interacting protein

Calculated MW:

30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig

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 : HepG2 cells, HEK-293 cells, human liver tissue, mouse brain tissue, PC-3 cells, rat brain tissue

IHC : human gliomas tissue,

IF/ICC : U2OS cells,

Background Information

TOLLIP (Toll interacting protein), is an inhibitory adaptor protein. Tollip is a negative regulator of IL-1R and Toll-like receptors signalling pathway, involved in inflammatory immune response and inhibiting IRAK1 phosphorylation and kinase activity (PMID:11441107, PMID:10854325, PMID:11751856). The TOLLIP-dependent selective autophagy pathway plays a role in clearance of cytotoxic polyQ proteins aggregates (PubMed:25042851).

Notable Publications

Author	Pubmed ID	Journal	Application
Shouheng Jin	36057605	Nat Commun	WB
Pinar Sargin	36261888	Gut Microbes	IF
Zicheng Ma	36343628	Autophagy	WB,IP

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

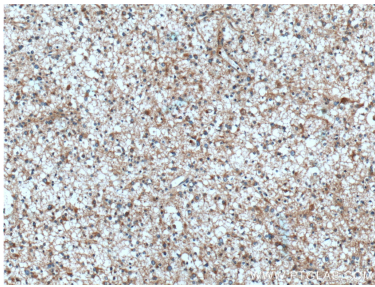
For technical support and original validation data for this product please contact:

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

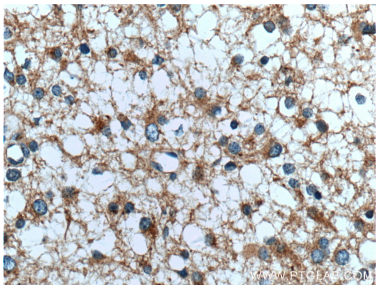
E: proteintech@ptglab.com
W: ptglab.com

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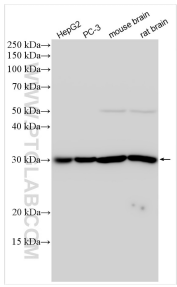
Selected Validation Data



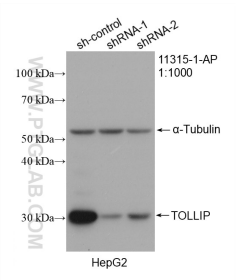
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11315-1-AP (TOLLIP antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



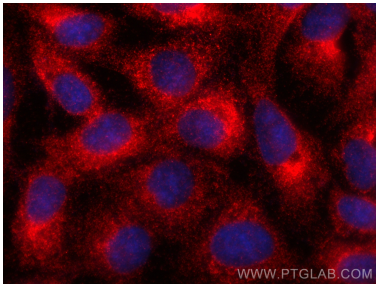
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11315-1-AP (TOLLIP antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Various lysates were subjected to SDS PAGE followed by western blot with 11315-1-AP (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of TOLLIP antibody (11315-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TOLLIP transfected HepG2 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using TOLLIP antibody (11315-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).