

For Research Use Only

TOLLIP Polyclonal antibody

Catalog Number: 11315-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 11315-1-AP	GenBank Accession Number: BC012057	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54472	Recommended Dilutions: WB 1:500-1:2400 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: toll interacting protein	
Isotype: IgG	Calculated MW: 30 kDa	
Immunogen Catalog Number: AG1864	Observed MW: 30 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IP, WB	WB : PC-3 cells, HEK-293 cells, human liver tissue, rat brain tissue, mouse brain tissue, HepG2 cells
Species Specificity: human, mouse, rat	IHC : human gliomas tissue,
Cited Species: human, rat, pig	IF : PC-3 cells,
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

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

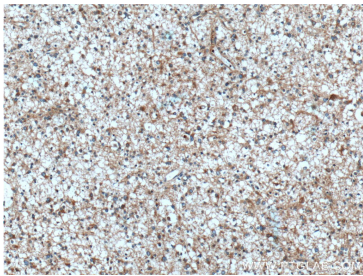
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

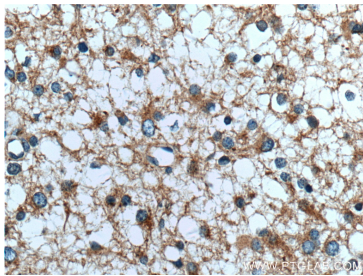
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

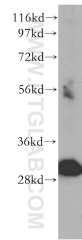
Selected Validation Data



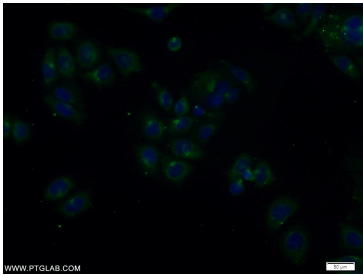
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11315-1-AP (TOLLIP antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



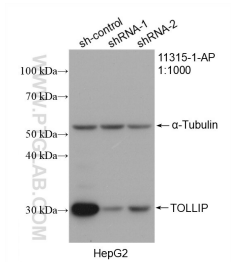
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11315-1-AP (TOLLIP antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



PC-3 cells were subjected to SDS PAGE followed by western blot with 11315-1-AP (TOLLIP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of PC-3 cells using 11315-1-AP (TOLLIP antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.