

For Research Use Only

TOLLIP Monoclonal antibody

Catalog Number: 68170-1-Ig **Featured Product**



Basic Information

Catalog Number: 68170-1-Ig	GenBank Accession Number: BC012057	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 54472	CloneNo.: 1B3C4
Source: Mouse	UNIPROT ID: Q9H0E2	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:400-1:1600 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: toll interacting protein	
Immunogen Catalog Number: AG32731	Calculated MW: 30 kDa Observed MW: 30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : pig brain tissue, LNCaP cells, HepG2 cells, Jurkat cells, K-562 cells, human peripheral blood platelets, rabbit brain tissue, rat brain tissue, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse colon tissue, rat colon tissue
	IF/ICC : U2OS cells,
	FC (Intra) : Jurkat 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).

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

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

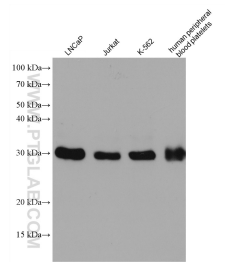
T: 4006900926

E: Proteintech-CN@ptglab.com

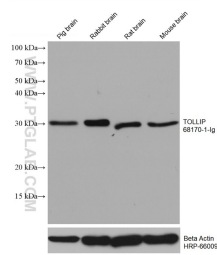
W: ptgcn.com

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

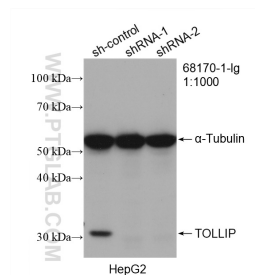
Selected Validation Data



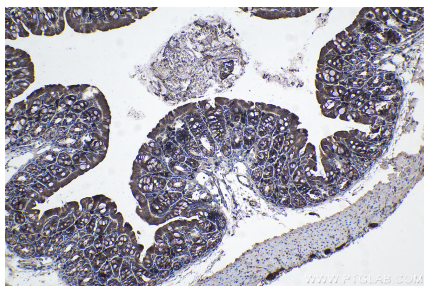
Various lysates were subjected to SDS PAGE followed by western blot with 68170-1-Ig (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



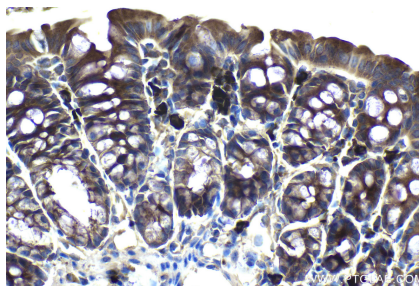
Various lysates were subjected to SDS PAGE followed by western blot with 68170-1-Ig (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



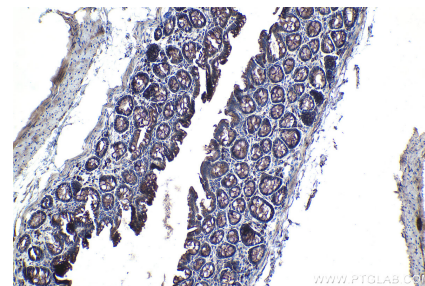
WB result of TOLLIP antibody (68170-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TOLLIP transfected HepG2 cells.



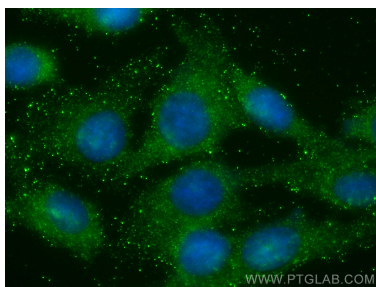
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



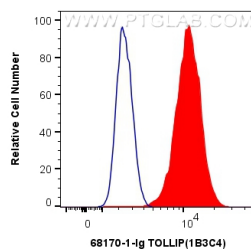
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using TOLLIP antibody (68170-1-Ig, Clone: 1B3C4) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Anti-Human TOLLIP (68170-1-Ig, Clone:1B3C4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).