

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
Source: Mouse	GeneID (NCBI): 54472	CloneNo.: 1B3C4
Isotype: IgG1	UNIPROT ID: Q9H0E2	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:400-1:1600 IF/ICC: 1:400-1:1600 FC (Intra): 0.40 ug per 10 ⁶ cells in a 100 µl suspension
Immunogen Catalog Number: AG32731	Full Name: toll interacting protein	
	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:

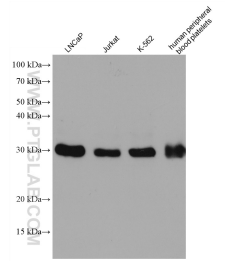
T: 4006900926

E: Proteintech-CN@ptglab.com

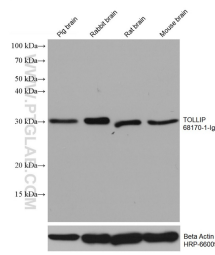
W: ptgcn.com

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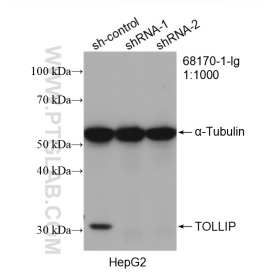
Selected Validation Data



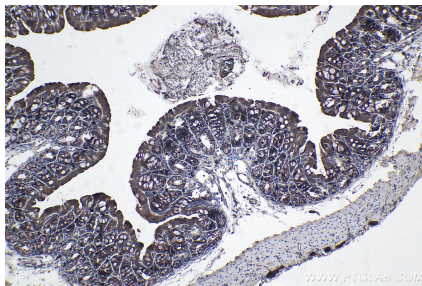
Various lysates were subjected to SDS PAGE followed by western blot with 68170-1-Ig (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



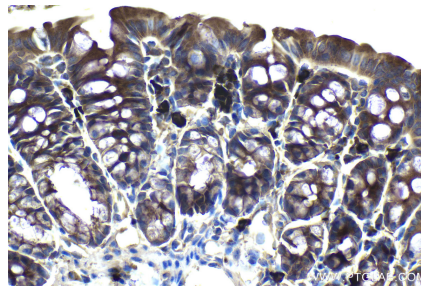
Various lysates were subjected to SDS PAGE followed by western blot with 68170-1-Ig (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



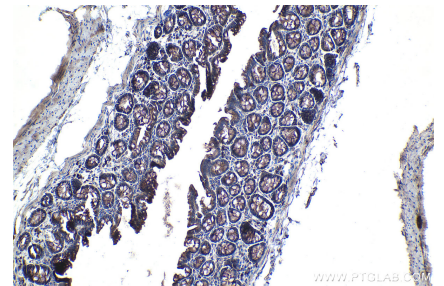
WB result of TOLLIP antibody (68170-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TOLLIP transfected HepG2 cells.



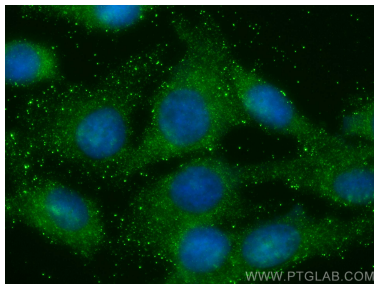
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



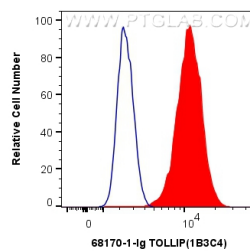
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.