

For Research Use Only

# TOLLIP Recombinant antibody

Catalog Number: 84711-5-RR



## Basic Information

<b>Catalog Number:</b> 84711-5-RR	<b>GenBank Accession Number:</b> BC012057	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54472	<b>CloneNo.:</b> 242098E3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HOE2	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> toll interacting protein	
<b>Immunogen Catalog Number:</b> AG1864	<b>Calculated MW:</b> 30 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human, mouse, rat	

## 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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

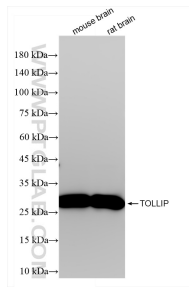
For technical support and original validation data for this product please contact:

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

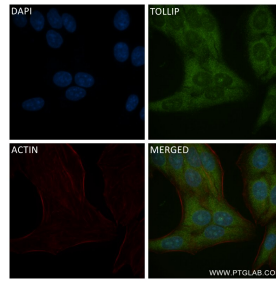
E: proteintech@ptglab.com  
W: ptglab.com

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

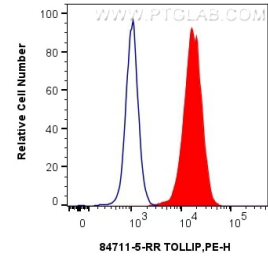
## Selected Validation Data



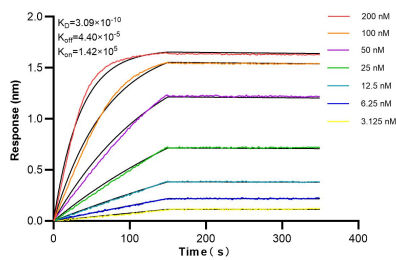
Various lysates were subjected to SDS PAGE followed by western blot with 84711-5-RR (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TOLLIP antibody (84711-5-RR, Clone: 242098E3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.25  $\mu$ g TOLLIP Recombinant antibody (84711-5-RR, Clone:242098E3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 84711-5-RR against Human TOLLIP were performed. The affinity constant is 0.309 nM.