

For Research Use Only

# TOLLIP Recombinant antibody, PBS Only

Catalog Number: 84711-5-PBS



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>84711-5-PBS                       | <b>GenBank Accession Number:</b><br>BC012057  | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>54472                | <b>CloneNo.:</b><br>242098E3                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>Q9H0E2                  |   |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>toll interacting protein |   |
| <b>Immunogen Catalog Number:</b><br>AG1864                  | <b>Calculated MW:</b><br>30 kDa               |   |
|   | <b>Observed MW:</b><br>30 kDa                 |   |

## Applications

**Tested Applications:**  
WB, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
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

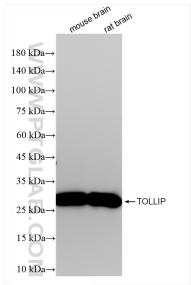
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

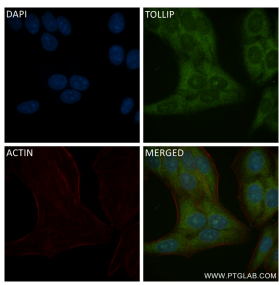
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

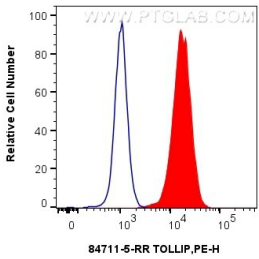
Selected Validation Data



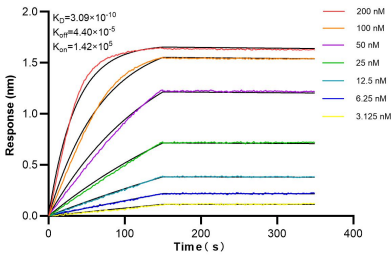
Various lysates were subjected to SDS PAGE followed by western blot with 84711-5-RR (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84711-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84711-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug TOLLIP Recombinant antibody (84711-5-RR, Clone:242098E3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug 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). This data was developed using the same antibody clone with 84711-5-PBS in a different storage



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