

# Human Tollip antibody

Catalog Number: ATO0918

## PRODUCT INFORMATION

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**Catalog number**

ATO0918

**Clone No.**

k1B17

**Product type**

Monoclonal Antibody

**UnitProt No.**

Q9H0E2

**NCBI Accession No.**

NP\_061882

**Alternative Names**

Toll interacting protein,IL-1RAcPIP

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human Tollip (61-274aa) purified from E. coli

**Isotype**

IgG2a kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA,WB,ICC/IF

**Usage**

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

**Storage**

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

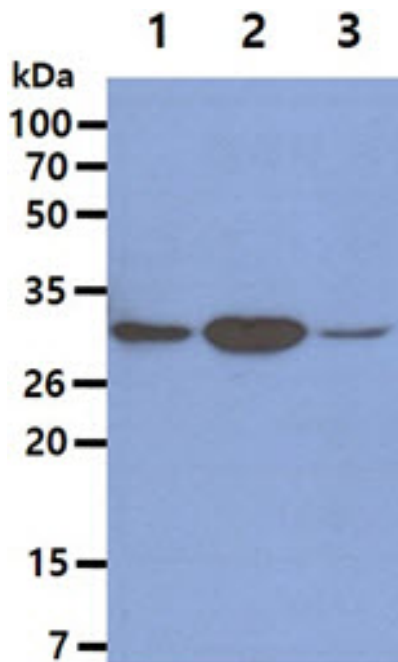
Toll interacting protein, also known as Tollip, is an inhibitory adaptor protein within the signaling pathway of IL-1 and Toll-like receptors (TLR). The Toll-like receptors are essential transmembrane signaling receptors of the innate immune system that alert the host to the presence of a microbial invader. Tollip recruits IRAK1 to the IL-1 receptor complex and inhibits IRAK1 phosphorylation and kinase activity.

### General References

- Ciarrocchi A. et al., (2009) Published online. 4(2):e4404.
- Didierlaurent A. et al., (2006) Mol Cell Biol. 26(3):735-742.
- Opal S.M. et al., (2002) Crit Care. 6(2):125-136.
- Burns K. et al., (2000) Nat Cell Biol. 2(6):346-351.

## DATA

### Western blot analysis (WB)

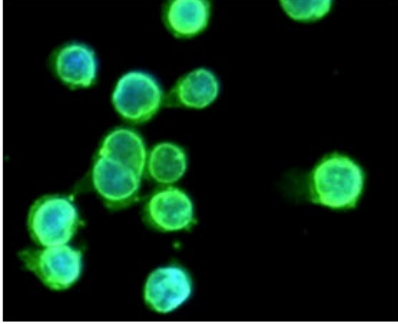


The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Tollip antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: Jurkat cell lysate  
Lane 2.: HepG2 cell lysate  
Lane 2.: HeLa cell lysate

### Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of Tollip in THP-1 cells. The cell was stained with ATO0918 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).