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# **Human Tollip antibody**

Catalog Number: ATGA0568

# **PRODUCT INFORMATION**

# Catalog number

ATGA0568

#### Clone No.

k1B17

# **Product type**

Monoclonal antibody

#### UnitProt No.

Q9H0E2

#### **NCBI Accession No.**

NP 061882

#### **Alternative Names**

Toll interacting protein, IL-1RAcPIP

#### **Additional Information**

This product was produced from tissue culture supernatant.

# **PRODUCT SPECIFICATION**

## **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-A affinity chromatography

### **Application**

ELISA, WB

#### **Usage**

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



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### **Storage**

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**

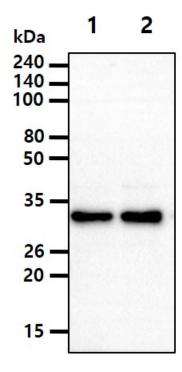
Toll interacting protein, also known as Tollip, is an inhibitory adaptor protein within the signaling pathwayof IL-1 and Toll-like receptors (TLR). The Toll-like receptors are essential transmembrane signaling receptors of the innate immune system that alert the host to the presence of a microbial invader. Tolliprecruits 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

