PRODUCT INFORMATION

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

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

lgG2a 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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use. Website: www.nkmaxbio.com email: supportbio@nkmax.com



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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).

