

ARG56967 anti-Tollip antibody [k1B17]

Package: 50 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [k1B17] recognizes Tollip |
| Tested Reactivity | Hu |
| Tested Application | ICC/IF, WB |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | k1B17 |
| Isotype | IgG2a, kappa |
| Target Name | Tollip |
| Species | Human |
| Immunogen | Recombinant fragment around aa. 61-274 of Human Tollip. |
| Conjugation | Un-conjugated |
| Alternate Names | Toll-interacting protein; IL-1RAcPIP |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | ICC/IF | Assay-dependent |
| | WB | 1:500 - 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

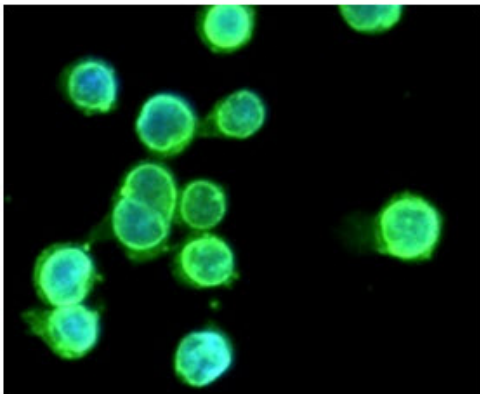
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Purification with Protein G. |
| Buffer | PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 10% Glycerol |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|----------------|---|
| Database links | GeneID: 54472 Human Swiss-port # Q9H0E2 Human |
| Gene Symbol | TOLLIP |
| Gene Full Name | toll interacting protein |
| Background | This gene encodes a ubiquitin-binding protein that interacts with several Toll-like receptor (TLR) signaling cascade components. The encoded protein regulates inflammatory signaling and is involved in interleukin-1 receptor trafficking and in the turnover of IL1R-associated kinase. [provided by RefSeq, Aug 2011] |
| Function | Component of the signaling pathway of IL-1 and Toll-like receptors. Inhibits cell activation by microbial products. Recruits IRAK1 to the IL-1 receptor complex. Inhibits IRAK1 phosphorylation and kinase activity. Connects the ubiquitin pathway to autophagy by functioning as a ubiquitin-ATG8 family adapter and thus mediating autophagic clearance of ubiquitin conjugates. The TOLLIP-dependent selective autophagy pathway plays an important role in clearance of cytotoxic polyQ proteins aggregates. [UniProt] |
| Calculated Mw | 30 kDa |
| PTM | Phosphorylated by IRAK1 upon stimulation by IL-1 or microbial products. |

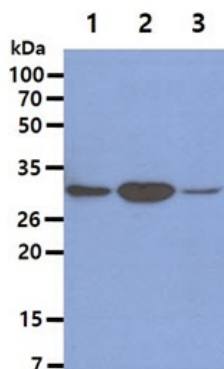
Images



ARG56967 anti-Tollip antibody [k1B17] ICC/IF image

Immunofluorescence: THP-1 cell line stained with ARG56967 anti-Tollip antibody [k1B17] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56967 anti-Tollip antibody [k1B17] WB image

Western blot: 40 µg of 1) Jurkat cell lysate, 2) HepG2 cell lysate, 3) HeLa cell lysate stained with ARG56967 anti-Tollip antibody [k1B17] at 1:1000.