

TOLLIP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14351b**Specification**

TOLLIP Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9H0E2](#)**TOLLIP Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54472**Other Names**

Toll-interacting protein, TOLLIP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TOLLIP Antibody (C-term) Blocking Peptide - Protein Information**Name** TOLLIP**Function**

Component of the signaling pathway of IL-1 and Toll-like receptors (PubMed:10854325, PubMed:11751856). Inhibits cell activation by microbial products. Recruits IRAK1 to the IL-1 receptor complex (PubMed:10854325). Inhibits IRAK1 phosphorylation and kinase activity (PubMed:11751856). Connects the ubiquitin pathway to autophagy by functioning as a ubiquitin-ATG8 family adapter and thus mediating autophagic clearance of ubiquitin conjugates (PubMed:25042851). The TOLLIP-dependent selective autophagy pathway plays an important role in clearance of cytotoxic polyQ proteins aggregates (PubMed:25042851). In a complex with TOM1, recruits ubiquitin-conjugated proteins onto early endosomes (PubMed:15047686). Binds to phosphatidylinositol 3-phosphate (PtdIns(3)P) (PubMed:26320582).

Cellular Location

Cytoplasm. Endosome. Early endosome Note=Localized to endo/exosomal vesicles

TOLLIP Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TOLLIP Antibody (C-term) Blocking Peptide - Images

TOLLIP Antibody (C-term) Blocking Peptide - 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.

TOLLIP Antibody (C-term) Blocking Peptide - References

Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)