

Tollip Polyclonal Antibody

Catalog # AP72878

Product Information

Application WB, IHC-P **Q9H0E2 Primary Accession** Reactivity Human Host Rabbit Clonality **Polyclonal** Calculated MW 30282

Additional Information

Gene ID 54472

Other Names TOLLIP; Toll-interacting protein

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

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: <u>25042851</u>). 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).

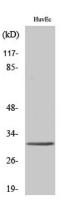
Cellular Location Cytoplasm. Endosome. Early endosome Note=Localized to endo/exosomal

vesicles

Background

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 (PubMed: 11751856). 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 (PubMed: 25042851).

Images



Western Blot analysis of various cells using Tollip Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.