

# Tollip Polyclonal Antibody

Catalog # AP72878

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q9H0E2</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	30282

## Additional Information

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<b>Gene ID</b>	54472
<b>Other Names</b>	TOLLIP; Toll-interacting protein
<b>Dilution</b>	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 IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	TOLLIP
<b>Function</b>	Component of the signaling pathway of IL-1 and Toll-like receptors (PubMed: <a href="#">10854325</a> , PubMed: <a href="#">11751856</a> ). Inhibits cell activation by microbial products. Recruits IRAK1 to the IL-1 receptor complex (PubMed: <a href="#">10854325</a> ). Inhibits IRAK1 phosphorylation and kinase activity (PubMed: <a href="#">11751856</a> ). Connects the ubiquitin pathway to autophagy by functioning as a ubiquitin-ATG8 family adapter and thus mediating autophagic clearance of ubiquitin conjugates (PubMed: <a href="#">25042851</a> ). The TOLLIP-dependent selective autophagy pathway plays an important role in clearance of cytotoxic polyQ proteins aggregates (PubMed: <a href="#">25042851</a> ). In a complex with TOM1, recruits ubiquitin-conjugated proteins onto early endosomes (PubMed: <a href="#">15047686</a> ). Binds to phosphatidylinositol 3-phosphate (PtdIns(3)P) (PubMed: <a href="#">26320582</a> ).
<b>Cellular Location</b>	Cytoplasm. Endosome. Early endosome Note=Localized to endo/exosomal vesicles

## Background

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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

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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'.