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Anti-Tollip Antibody

Catalog # ABO11312

Product Information

Application	WB, IHC-P
Primary Accession	Q9H0E2
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Toll-interacting protein(TOLLIP) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	54472
Other Names	Toll-interacting protein, TOLLIP
Calculated MW	30282
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, By Heat Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Cytoplasm .
Source	Eukaryota
Protein Name	Toll-interacting protein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Tollip(224-243aa NAQPRCSEEDLKAIQDMFPN).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the tollip family.

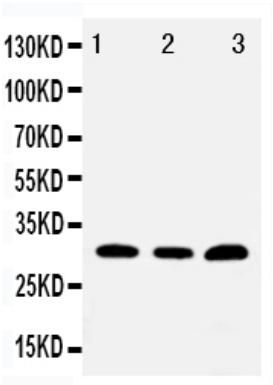
Protein Information

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

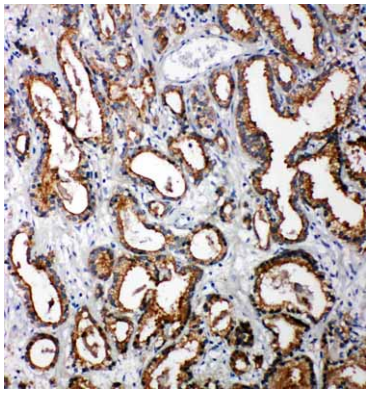
Background

TOLLIP(TOLL-Interacting Protein), is an inhibitory adaptor protein that in humans is encoded by the TOLLIP gene. Lo et al.(2009) stated that the TOLLIP gene maps to chromosome 11. The mouse gene maps to chromosome 7. By Western blot analysis of embryonic kidney cells, Burns et al.(2000) confirmed the binding of TOLLIP to IL1RAP, to a complex of IL1RAP-IL1R1, and to IL18R. Burns et al.(2000) proposed that IL1B stimulation induces aggregation of IL1Rs, recruitment of MYD88 followed by TOLLIP-IRAK complexes, and the phosphorylation of IRAK by MYD88. This leads to the dissociation of TOLLIP from IRAK, which can then transmit the IL1-induced signals.

Images



Anti-Tollip antibody, ABO11312, Western blottingLane 1: PANC Cell LysateLane 2: HELA Cell LysateLane 3: U87 Cell Lysate



Anti-Tollip antibody, ABO11312, IHC(P)IHC(P): Human Prostatic Cancer Tissue

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