

Raftlin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51828**Specification**

Raftlin Antibody - Product Information

Application	WB, E
Primary Accession	O14699
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63 KDa

Raftlin Antibody - Additional Information**Gene ID** 23180**Other Names**

Raftlin, Cell migration-inducing gene 2 protein, Raft-linking protein, RFTN1, KIAA0084

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Raftlin Antibody - Protein Information**Name** RFTN1**Synonyms** KIAA0084**Function**

Involved in protein trafficking via association with clathrin and AP2 complex (PubMed: [21266579](http://www.uniprot.org/citations/21266579)), PubMed: [27022195](http://www.uniprot.org/citations/27022195)). Upon bacterial lipopolysaccharide stimulation, mediates internalization of TLR4 to endosomes in dendritic cells and macrophages; and internalization of poly(I:C) to TLR3-positive endosomes in myeloid dendritic cells and epithelial cells; resulting in activation of TICAM1-mediated signaling and subsequent IFNB1 production (PubMed: [21266579](http://www.uniprot.org/citations/21266579), PubMed: [27022195](http://www.uniprot.org/citations/27022195)). Involved in T-cell antigen receptor-mediated signaling by regulating tyrosine kinase LCK localization, T-cell dependent antibody production and cytokine secretion (By similarity). May regulate B-cell antigen receptor-mediated signaling (PubMed: [12805216](http://www.uniprot.org/citations/12805216)). May play a pivotal role in the formation and/or maintenance of lipid rafts (PubMed: [12805216](http://www.uniprot.org/citations/12805216)).

Cellular Location

Cell membrane; Lipid-anchor. Cytoplasm. Membrane raft. Endosome. Early endosome.
Note=Translocates from cytoplasm to cell membrane where it colocalizes with poly (I:C) and then moves to endosomes where it colocalizes with TLR3 (PubMed:21266579) Translocates from cytoplasm to cell membrane where it colocalizes with TLR4 and then together with TLR4 moves to endosomes, upon lipopolysaccharide stimulation (PubMed:27022195)

Tissue Location

Expressed in B-cells (at protein level) (PubMed:12805216). Expressed in dendritic cells and macrophages (PubMed:21266579, PubMed:27022195).

Raftlin Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Raftlin Antibody - Images**Raftlin Antibody - Background**

May play a pivotal role in the formation and/or maintenance of lipid rafts. May regulate B-cell antigen receptor- mediated signaling.

Raftlin Antibody - References

Kim J.W.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Nagase T.,et al.DNA Res. 2:37-43(1995).
Saeki K.,et al.EMBO J. 22:3015-3026(2003).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
Suzuki T.,et al.Proteomics 10:1780-1793(2010).