

Raftlin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51828

Product Information

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|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q14699 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 63146 |

Additional Information

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| Gene ID | 23180 |
| Other Names | Raftlin, Cell migration-inducing gene 2 protein, Raft-linking protein, RFTN1, KIAA0084 |
| Dilution | WB~~1:1000 |
| 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 |

Protein Information

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|-------------------|---|
| Name | RFTN1 |
| Synonyms | KIAA0084 |
| Function | Involved in protein trafficking via association with clathrin and AP2 complex (PubMed: 21266579 , PubMed: 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 , PubMed: 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). May play a pivotal role in the formation and/or maintenance of lipid rafts (PubMed: 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).

Background

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

References

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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).

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