

# Raftlin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51828

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q14699</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	63146

## Additional Information

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<b>Gene ID</b>	23180
<b>Other Names</b>	Raftlin, Cell migration-inducing gene 2 protein, Raft-linking protein, RFTN1, KIAA0084
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Raftlin. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	RFTN1
<b>Synonyms</b>	KIAA0084
<b>Function</b>	Involved in protein trafficking via association with clathrin and AP2 complex (PubMed: <a href="#">21266579</a> , PubMed: <a href="#">27022195</a> ). 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: <a href="#">21266579</a> , PubMed: <a href="#">27022195</a> ). 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: <a href="#">12805216</a> ). May play a pivotal role in the formation and/or maintenance of lipid rafts (PubMed: <a href="#">12805216</a> ).

<b>Cellular Location</b>	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)
<b>Tissue Location</b>	Expressed in B-cells (at protein level) (PubMed:12805216). Expressed in dendritic cells and macrophages (PubMed:21266579, PubMed:27022195).

## Background

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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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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).

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