

Rabbit anti-Human, Mouse RFTN1 Polyclonal Antibody | anti-RFTN1 antibody

RFTN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325031	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RFTN1; Polyclonal Antibody; RFTN1 Antibody; Cell migration-inducing gene 2 protein; KIAA0084; MIG2; PIB10; PIG9; Proliferation-inducing protein 10; Proliferation-inducing protein 9; Raft-linking protein; Raftlin; lipid raft linker 1; RFTN1_HUMAN; anti-RFTN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RFTN1 antibody detects endogenous levels of total RFTN1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	578
Applicable Applications for anti-RFTN1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane. Associates with lipid rafts.
Tissue Specificity	Expressed in B-cells (at protein level) (PubMed:12805216). Expressed in dendritic cells and macrophages (PubMed:27022195, PubMed:21266579).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells using RANBP6 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325031 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RFTN1 antibody	Function: Involved in protein trafficking via association with clathrin and AP2 complex (PubMed:27022195, PubMed:21266579). 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:27022195, PubMed:21266579). 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). Subunit Structure: Interacts with TLR4; the interaction occurs in response to lipopolysaccharide stimulation (PubMed:27022195). Interacts with CLTC; the interaction occurs in response to pathogens (PubMed:27022195, PubMed:21266579). Interacts with AP2A1 and AP2B1 (PubMed:27022195). Similarity: Belongs to the raftlin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41872577
NCBI GeneID	23180
NCBI Accession #	NP_055965.1
NCBI GenBank Nucleotide #	NM_015150.1
UniProt Accession #	Q14699; Q0D2G0; Q496Y2; Q4QQI7; Q5JB48; Q7Z7P2
Molecular Weight	Observed: 63 kD Predicted: 64 kDa
NCBI Official Full Name	raftlin
NCBI Official Synonym Full Names	raftlin, lipid raft linker 1
NCBI Official Symbol	RFTN1
NCBI Official Synonym Symbols	MIG2; PIG9; PIB10; RAFTLIN
NCBI Protein Information	raftlin
UniProt Protein Name	Raftlin
UniProt Gene Name	RFTN1
UniProt Synonym Gene Names	KIAA0084

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.