

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

Anti-RFTN1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127705	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

RFTN1; Polyclonal Antibody; Anti-RFTN1 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; Il17b; Nirf; Zcyto7; anti-RFTN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-RFTN1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human RFTN1 recombinant protein (Position: N18-K437).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U2OS cells using anti-PITPNB antibody (AAA127705).Overlay histogram showing U2OS cells stained with AAA127705 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PITPNB Antibody (AAA127705, 1ug/1x106 cells) for 30 min at 20 degree C. PE conjugated goat anti-rabbit IgG (5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of RFTN1 using anti-RFTN1 antibody (AAA127705).RFTN1 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-RFTN1 Antibody (AAA127705) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of RFTN1 using anti-RFTN1 antibody (AAA127705).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human Raji whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates,Lane 4: human Daudi whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RFTN1 antigen affinity purified polyclonal antibody (#AAA127705) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RFTN1 at approximately 70 kDa. The expected band size for RFTN1 is at 63 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RFTN1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RFTN1 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins
References	1. Saeki, K., Miura, Y., Aki, D., Kurosaki, T., Yoshimura, A. The B cell-specific major raft protein, Raftlin, is necessary for the integrity of lipid raft and BCR signal transduction. EMBO J. 22: 3015-3026, 2003. 2. Tatematsu, M., Yoshida, R., Morioka, Y., Ishii, N., Funami, K., Watanabe, A., Saeki, K., Seya, T., Matsumoto, M. Raftlin controls lipopolysaccharide-induced TLR4 internalization and TICAM-1 signaling in a cell type-specific manner. J. Immun. 196: 3865-3876, 2016.3. Watanabe, A., Tatematsu, M., Saeki, K., Shibata, S., Shime, H., Yoshimura, A., Obuse, C., Seya, T., Matsumoto, M. Raftlin is involved in the nucleocapture complex to induce poly(I:C)-mediated TLR3 activation. J. Biol. Chem. 286: 10702-10711, 2011.

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	63,146 Da
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; raft-linking protein; proliferation-inducing protein 9; proliferation-inducing protein 10; cell migration-inducing gene 2 protein
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rftn1-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127705>