

Rabbit anti-Human FAM65B/RIPOR2 Polyclonal Antibody | anti-FAM65B/RIPOR2 antibody

Anti-FAM65B/RIPOR2 Antibody Picoband

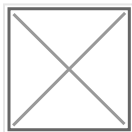
CATALOG # AAA127937	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

FAM65B/RIPOR2; Polyclonal Antibody; Anti-FAM65B/RIPOR2 Antibody Picoband; Lymphocyte antigen 6A-2/6E-1; retrotransposon Gag like 10; Protein Bop; BH3-only protein; Retrotransposon Gag-like protein 10; RTL10; BOP; C22orf29; anti-FAM65B/RIPOR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-FAM65B/RIPOR2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human FAM65B/RIPOR2 recombinant protein (Position: L362-D1020).
Subcellular Localization	Cell membrane, Lipid-anchor, GPI-anchor
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	Could induce apoptosis in a BH3 domain-dependent manner. The interaction network of Bcl-2 family members may play a key role in modulation RTL10/BOP intrinsic apoptotic signaling activity.
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HEL cells using anti-FAM65B/RIPOR2 antibody (AAA127937).Overlay histogram showing HEL cells stained with AAA127937 (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-FAM65B/RIPOR2 Antibody (AAA127937, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG 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.



WB (Western Blot)

Figure 1. Western blot analysis of FAM65B/RIPOR2 using anti-FAM65B/RIPOR2 antibody (AAA127937).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 Daudi whole cell lysates,Lane 2: human HEL 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-FAM65B/RIPOR2 antigen affinity purified polyclonal antibody (#AAA127937) at 0.25ug/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 FAM65B/RIPOR2 at approximately 120 kDa. The expected band size for FAM65B/RIPOR2 is at 119 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FAM65B/RIPOR2 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-FAM65B/RIPOR2 antibody	Primary Antibodies; Chemokines; Immunology; Innate Immunity
References	1. Dakour, J., Li, H., Morrish, D. W. PL48: a novel gene associated with cytotrophoblast and lineage-specific HL-60 cell differentiation. Gene 185: 153-157, 1997.2. de Bruijn, S. E., Smits, J. J., Liu, C., Lanting, C. P., Beynon, A. J., Blankevoort, J., Oostrik, J., Koole, W., de Vrieze, E., Cremers, C. W. R. J., Cremers, F. P. M., Roosing, S., Yntema, H. G., Kunst, H. P. M., Zhao, B., Pennings, R. J. E., Kremer, H., DOOFNL Consortium. A RIPOR2 in-frame deletion is a frequent and highly penetrant cause of adult-onset hearing loss. J. Med. Genet. 58: 96-104, 2021.3. Diaz-Horta, O., Subasioglu-Uzak, A., Grati, M., DeSmidt, A., Foster, J., Il, Cao, L., Bademci, G., Tokgoz-Yilmaz, S., Duman, D., Cengiz, F. B., Abad, C., Mittal, R., Blanton, S., Liu, X. Z., Farooq, A., Walz, K., Lu, Z., Tekin, M. FAM65B is a membrane-associated protein of hair cell stereocilia required for hearing. Proc. Nat. Acad. Sci. 111: 9864-9868, 2014.

NCBI AND UNIPROT INFORMATION

NCBI GI #	556695423
NCBI GeneID	9750
NCBI Accession #	NP_001273375.1
NCBI GenBank Nucleotide #	NM_001286446.1
UniProt Accession #	Q9Y4F9; Q13529; Q5VV37; Q5VV38; Q9BQ28; A6NHP2
Molecular Weight	118,519 Da
NCBI Official Full Name	protein FAM65B isoform 4
NCBI Official Synonym Full Names	family with sequence similarity 65, member B
NCBI Official Symbol	FAM65B
NCBI Official Synonym Symbols	PL48; DIFF40; DIFF48; MYONAP; C6orf32
NCBI Protein Information	protein FAM65B; myogenesis-related and NCAM-associated protein homolog
UniProt Protein Name	Protein FAM65B
UniProt Gene Name	FAM65B

UniProt Synonym Gene Names	C6orf32; DIFF48; KIAA0386; PL48
UniProt Entry Name	FA65B_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/fam65b-ripor2-antibody-flow-cytometry-western-blot-elisa/127937>