

Rabbit TMEM5/RXYLT1 Polyclonal Antibody | anti-TMEM5/RXYLT1 antibody

Anti-TMEM5/RXYLT1 Antibody Picoband

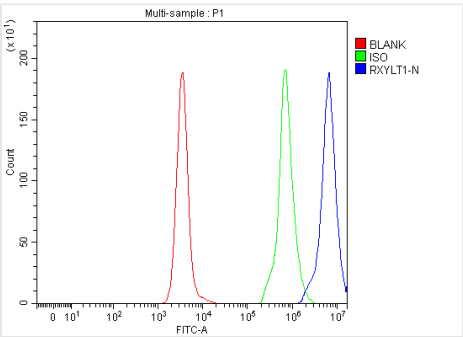
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127934	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TMEM5/RXYLT1; Polyclonal Antibody; Anti-TMEM5/RXYLT1 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-TMEM5/RXYLT1 antibody

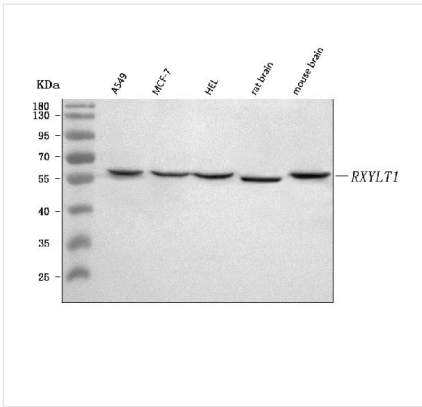
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-TMEM5/RXYLT1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human TMEM5/RXYLT1 recombinant protein (Position: H79-K398).
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 Daudi cells using anti-TMEM5/RXYLT1 antibody (AAA127934).Overlay histogram showing Daudi cells stained with AAA127934 (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-TMEM5/RXYLT1 Antibody (AAA127934, 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 (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of TMEM5/RXYLT1 using anti-TMEM5/RXYLT1 antibody (AAA127934).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 A549 whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human HEL whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: mouse brain tissue 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-TMEM5/RXYLT1 antigen affinity purified polyclonal antibody (#AAA127934) 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 TMEM5/RXYLT1 at approximately 56 kDa. The expected band size for TMEM5/RXYLT1 is at 45-51 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM5/RXYLT1 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-TMEM5/RXYLT1 antibody	Primary Antibodies; Chemokines; Immunology; Innate Immunity
References	1. Amberger, J. S. Personal Communication. Baltimore, Md. 9/22/2008.2. Jae, L. T., Raaben, M., Riemersma, M., van Beusekom, E., Blomen, V. A., Velds, A., Kerkhoven, R. M., Carette, J. E., Topaloglu, H., Meinecke, P., Wessels, M. W., Lefeber, D. J., Whelan, S. P., van Bokhoven, H., Brummelkamp, T. R. Deciphering the glycosylome of dystroglycanopathies using haploid screens for Lassa virus entry. Science 340: 479-483, 2013. 3. Vuillaumier-Barrot, S., Bouchet-Seraphin, C., Chelbi, M., Devisme, L., Quentin, S., Gazal, S., Laquerriere, A., Fallet-Bianco, C., Loget, P., Odent, S., Carles, D., Bazin, A., and 14 others. Identification of mutations in TMEM5 and ISPD as a cause of severe cobblestone lissencephaly. Am. J. Hum. Genet. 91: 1135-1143, 2012.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657178
NCBI GeneID	10329
NCBI Accession #	NP_055069.1
NCBI GenBank Nucleotide #	NM_014254.2
UniProt Accession #	Q9Y2B1; Q6PKD6; A8K017
Molecular Weight	51,146 Da
NCBI Official Full Name	ribitol-5-phosphate xylosyltransferase 1 isoform 1
NCBI Official Synonym Full Names	ribitol xylosyltransferase 1

NCBI Official Symbol	RXYLT1
NCBI Official Synonym Symbols	TMEM5; HP10481; MDDGA10
NCBI Protein Information	ribitol-5-phosphate xylosyltransferase 1; UDP-D-xylose:ribitol-5-phosphate beta1,4-xylosyltransferase
UniProt Protein Name	Ribitol-5-phosphate xylosyltransferase 1
UniProt Gene Name	RXYLT1

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://www.aaabiotech.com/polyclonal/tmem5-rxylt1-antibody-flow-cytometry-western-blot-elisa/127934>