

Rabbit anti-Human TMEM132A Polyclonal Antibody | anti-TMEM132A antibody

Anti-TMEM132A Antibody Picoband

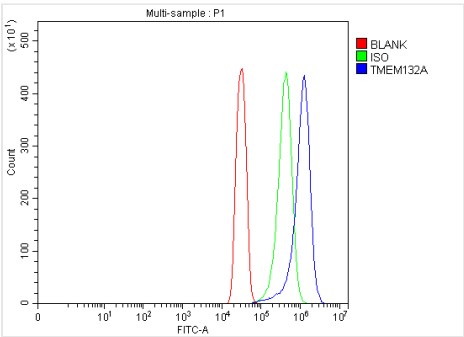
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126604	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TMEM132A; Polyclonal Antibody; Anti-TMEM132A Antibody Picoband; anti-TMEM132A antibody

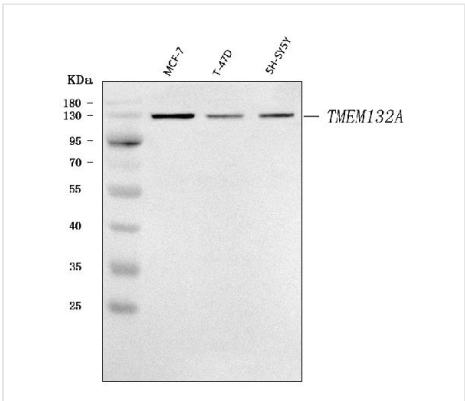
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TMEM132A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TMEM132A recombinant protein (Position: Q38-H279).
Preparation and Storage	Store 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 SiHa cells using anti-TMEM132A antibody (AAA126604).Overlay histogram showing SiHa cells stained with AAA126604 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TMEM132A Antibody (AAA126604, 1 ug/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 (1 ug/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 TMEM132A using anti-TMEM132A antibody (AAA126604).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 MCF-7 whole cell lysates,Lane 2: human T-47D whole cell lysates,Lane 3: human SH-SY5Y 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-TMEM132A antigen affinity purified polyclonal antibody (#AAA126604) at 0.5 ug/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 TMEM132A at approximately 130 kDa. The expected band size for TMEM132A is at 110 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM132A antibody	This gene encodes a protein that is highly similar to the rat Grp78-binding protein (GBP). Alternatively spliced transcript variants encoding different isoforms have been described.
Product Categories/Family for anti-TMEM132A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	30089935
NCBI GeneID	54972
NCBI Accession #	NP_060340.2
NCBI GenBank Nucleotide #	NM_017870.3
UniProt Accession #	Q24JP5; Q69YU7; Q86VZ8; Q86W97; Q9H8K3; Q9HCI9; Q9NWW0
Molecular Weight	83,098 Da
NCBI Official Full Name	transmembrane protein 132A isoform a
NCBI Official Synonym Full Names	transmembrane protein 132A
NCBI Official Symbol	TMEM132A
NCBI Official Synonym Symbols	GBP; HSPA5BP1
NCBI Protein Information	transmembrane protein 132A
UniProt Protein Name	Transmembrane protein 132A
UniProt Gene Name	TMEM132A

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/tmem132a-antibody-flow-cytometry-western-blot-elisa/126604>