

Rabbit ITM2C Polyclonal Antibody | anti-ITM2C antibody

Anti-ITM2C Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127549	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

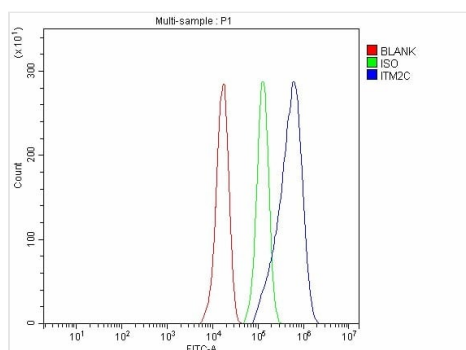
PRODUCT SYNONYMS

ITM2C; Polyclonal Antibody; Anti-ITM2C Antibody Picoband; anti-ITM2C antibody

PRODUCT SPECIFICATIONS

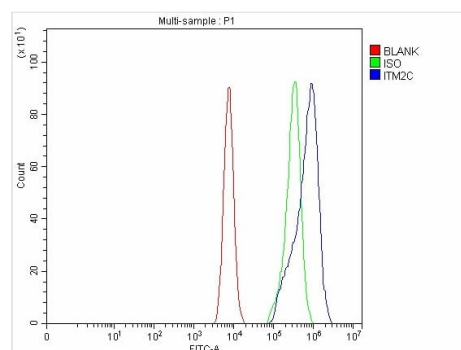
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ITM2C antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human ITM2C recombinant protein (Position: E33-D226). Human ITM2C shares 94.8% amino acid (aa) sequence identity with mouse and rat ITM2C.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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



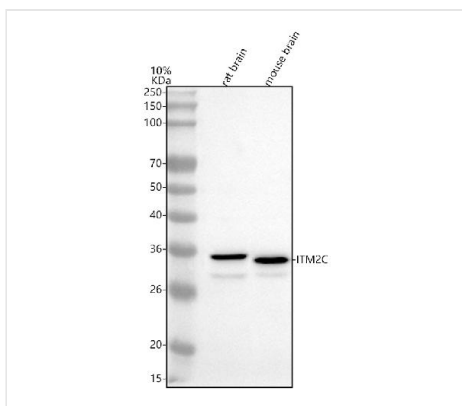
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of PC-3 cells using anti-ITM2C antibody (AAA127549). Overlay histogram showing PC-3 cells stained with AAA127549 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ITM2C Antibody (AAA127549, 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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of CACO-2 cells using anti-ITM2C antibody (AAA127549). Overlay histogram showing CACO-2 cells stained with AAA127549 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ITM2C Antibody (AAA127549, 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 ITM2C using anti-ITM2C antibody (AAA127549). 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: rat brain tissue lysates, Lane 2: 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-ITM2C antigen affinity purified polyclonal antibody (#AAA127549) 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 ITM2C at approximately 35 kDa. The expected band size for ITM2C is at 30 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ITM2C 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-ITM2C antibody	Primary Antibodies
References	1. Vidal, R., Calero, M., Revesz, T., Plant, G., Ghiso, J., Frangione, B. Sequence, genomic structure and tissue expression of human BRI(3), a member of the BRI gene family. <i>Gene</i> 266: 95-102, 2001. 2. Wickham, L., Benjannet, S., Marcinkiewicz, E., Chretien, M., Seidah, N. G. Beta-amyloid protein converting enzyme 1 and brain-specific type II membrane protein BRI(3): binding partners processed by furin. <i>J. Neurochem.</i> 92: 93-102, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12585259
NCBI GeneID	81618
UniProt Accession #	Q9NQX7 ; Q4G0A8 ; Q53H84 ; Q6IAE7 ; Q86VK5 ; Q8N288 ; Q8TAW0 ; Q9BUP8 ; B3KPG4
Molecular Weight	267
NCBI Official Full Name	Integral membrane protein 2C
NCBI Official Synonym Full Names	integral membrane protein 2C
NCBI Official Symbol	ITM2C
NCBI Official Synonym Symbols	E25; BRI3; E25C; ITM3; BRICD2C
NCBI Protein Information	integral membrane protein 2C; cerebral protein 14; transmembrane protein BRI3; integral membrane protein 3; BRICHOS domain containing 2C
UniProt Protein Name	Integral membrane protein 2C
UniProt Gene Name	ITM2C

UniProt Synonym Gene Names	BRI3
UniProt Entry Name	ITM2C_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/itm2c-antibody-flow-cytometry-western-blot-elisa/127549>