

Rabbit MIGA1 Polyclonal Antibody | anti-MIGA1 antibody

Anti-MIGA1 Antibody Picoband

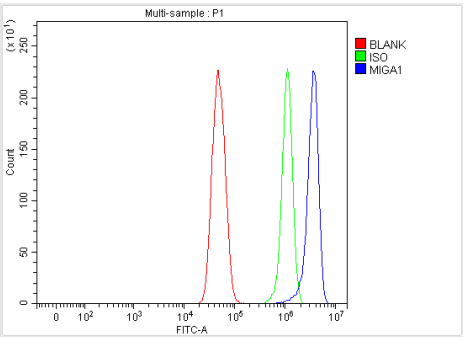
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127945	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MIGA1; Polyclonal Antibody; Anti-MIGA1 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-MIGA1 antibody

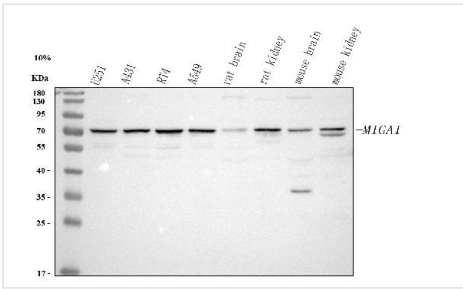
PRODUCT SPECIFICATIONS

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-MIGA1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MIGA1 recombinant protein (Position: R316-Q562).
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 U251 cells using anti-MIGA1 antibody (AAA127945). Overlay histogram showing U251 cells stained with AAA127945 (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-MIGA1 Antibody (AAA127945, 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 MIGA1 using anti-MIGA1 antibody (AAA127945). 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 U251 whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human RT4 whole cell lysates, Lane 4: human A549 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat kidney tissue lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse kidney 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-MIGA1 antigen affinity purified polyclonal antibody (#AAA127945) 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 MIGA1 at approximately 71 kDa. The expected band size for MIGA1 is at 71 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MIGA1 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-MIGA1 antibody	Primary Antibodies; Chemokines; Immunology; Innate Immunity
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 1/29/2016.2. Scott, A. F. Personal Communication. Baltimore, Md. 1/28/2016.3. Zhang, Y., Liu, X., Bai, J., Tian, X., Zhao, X., Liu, W., Duan, X., Shang, W., Fan, H.-Y., Tong, C. Mitoguardin regulates mitochondrial fusion through MitoPLD and is required for neuronal homeostasis. Molec. Cell 61: 111-124, 2016.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38348384
NCBI GeneID	374986
NCBI Accession #	NP_940951
NCBI GenBank Nucleotide #	NM_198549
UniProt Accession #	Q8NAN2; Q6MZG0
Molecular Weight	42,689 Da
NCBI Official Full Name	protein FAM73A isoform 1
NCBI Official Synonym Full Names	family with sequence similarity 73, member A
NCBI Official Symbol	FAM73A
NCBI Protein Information	protein FAM73A
UniProt Protein Name	Protein FAM73A

UniProt Gene Name	FAM73A
UniProt Entry Name	FA73A_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://www.aaabiotech.com/polyclonal/miga1-antibody-flow-cytometry-western-blot-elisa/127945>