

Rabbit MYORG Polyclonal Antibody | anti-MYORG antibody

Anti-MYORG Antibody Picoband

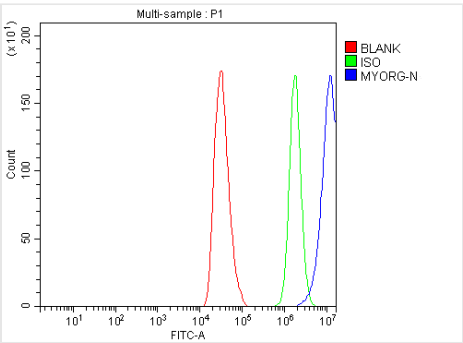
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127946	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

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

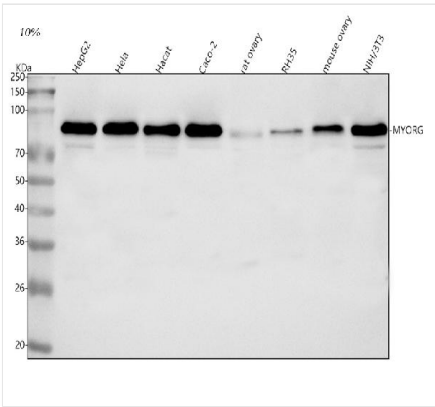
PRODUCT SPECIFICATIONS

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-MYORG antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MYORG recombinant protein (Position: Q207-R611). Human MYORG shares 92.9% amino acid (aa) sequence identity with mouse MYORG.
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-MYORG antibody (AAA127946). Overlay histogram showing HepG2 cells stained with AAA127946 (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-MYORG Antibody (AAA127946, 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 MYORG using anti-MYORG antibody (AAA127946). 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 HepG2 whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human Hecst whole cell lysates, Lane 4: human Caco-2 whole cell lysates, Lane 5: rat ovary tissue lysates, Lane 6: rat RH35 whole cell lysates, Lane 7: mouse ovary tissue lysates, Lane 8: mouse NIH/3T3 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-MYORG antigen affinity purified polyclonal antibody (#AAA127946) 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 MYORG at approximately 87 kDa. The expected band size for MYORG is at 81 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MYORG 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-MYORG antibody	Primary Antibodies
References	1. Arkadir, D., Lossos, A., Rahat, D., Snineh, M. A., Schueler-Furman, O., Nitschke, S., Minassian, B. A., Sadaka, Y., Lerer, I., Tabach, Y., Meiner, V. MYORG is associated with recessive primary familial brain calcification. Ann. Clin. Transl. Neurol. 6: 106-113, 2019. 2. Datta, K., Guan, T., Gerace, L. NET37, a nuclear envelope transmembrane protein with glycosidase homology, is involved in myoblast differentiation. J. Biol. Chem. 284: 29666-29676, 2009. 3. Forouhideh, Y., Muller, K., Ruf, W., Assi, M., Seker, T., Tunca, C., Knehr, A., Strom, T. M., Gorges, M., Schrad, F., Meitinger, T., Ludolph, A. C., Pinkhardt, E. H., Basak, A. N., Kassubek, J., Uttner, I., Weishaupt, J. H. A biallelic mutation links MYORG to autosomal-recessive primary familial brain calcification. (Letter) Brain 142: e4, 2019. Note: Electronic Article.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791946
NCBI GeneID	57462
NCBI Accession #	NP_065753.2
NCBI GenBank Nucleotide #	NM_020702.4
UniProt Accession #	Q6NSJ0; Q5T587; Q5T588; Q9ULQ9
Molecular Weight	81,087 Da

NCBI Official Full Name	uncharacterized family 31 glucosidase KIAA1161
NCBI Official Synonym Full Names	KIAA1161
NCBI Official Symbol	KIAA1161
NCBI Official Synonym Symbols	NET37
NCBI Protein Information	uncharacterized family 31 glucosidase KIAA1161
UniProt Protein Name	Uncharacterized family 31 glucosidase KIAA1161
UniProt Gene Name	KIAA1161
UniProt Entry Name	K1161_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/myorg-antibody-flow-cytometry-western-blot-elisa/127946>