

Anti-MYORG Antibody Picoband®

Catalog Number: A32480

About MYORG

MYORG promotes myogenesis by activating AKT signaling through the maturation and secretion of IGF2.

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Overview

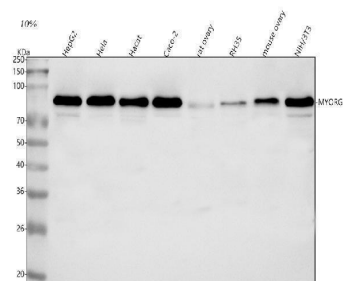
Product Name	Anti-MYORG Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MYORG Antibody Picoband® catalog # A32480. Tested in WB, FCM, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q6NSJ0

Technical Details

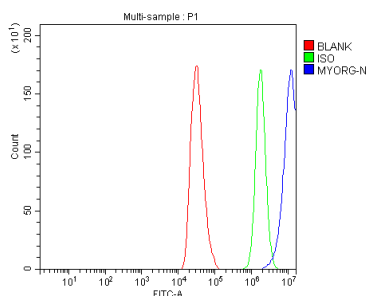
Immunogen	E.coli-derived human MYORG recombinant protein (Position: Q207-R611). Human MYORG shares 92.9% amino acid (aa) sequence identity with mouse MYORG.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 ⁶ cells, Human ELISA, 0.1-0.5 ug/ml, - Note: For flow cytometry (FCM), validated for fixed cells only. Not validated for FACS or surface flow cytometry using live cells.

Anti-MYORG Antibody Picoband® (A32480) Images



Western blot analysis of MYORG using anti-MYORG antibody (A32480). 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 Hacat 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 (Catalog # A32480) at 0.5 ug/mL overnight at 4°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 (Catalog # EK1002) 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.



Flow Cytometry analysis of HepG2 cells using anti-MYORG antibody (A32480). Overlay histogram showing HepG2 cells stained with A32480 (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 (A32480, 1 ug/ 1×10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/ 1×10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/ 1×10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

Anti-MYORG Antibody

For Research Use Only. Not for use in diagnostic procedures.