

Anti-Myogenin/MYOG Antibody Picoband®

Catalog Number: A03238-1

About MYOG

Myogenin, is a transcriptional activator encoded by the MYOG gene. Myogenin is a muscle-specific transcription factor that can induce myogenesis in a variety of cell types in tissue culture. It is a member of a large family of proteins related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential for the development of functional skeletal muscle.

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Overview

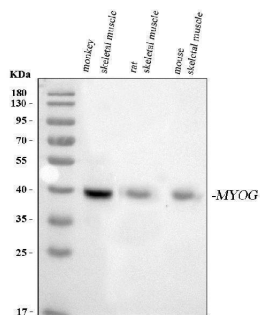
Product Name	Anti-Myogenin/MYOG Antibody Picoband®
Reactive Species	Monkey, Mouse, Rat
Description	Boster Bio Anti-Myogenin/MYOG Antibody Picoband® catalog # A03238-1. Tested in ELISA, WB applications. This antibody reacts with Monkey, Mouse, Rat. The brand Picoband indicates this is a premium antibody 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, 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	P15173

Technical Details

Immunogen	E.coli-derived human Myogenin/MYOG recombinant protein (Position: M1-N224).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Monkey, Mouse, Rat ELISA, 0.1-0.5 ug/ml, -

Anti-Myogenin/MYOG Antibody Picoband® (A03238-1) Images



Western blot analysis of Myogenin/MYOG using anti-Myogenin/MYOG antibody (A03238-1). 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: monkey skeletal muscle tissue lysates, Lane 2: rat skeletal muscle tissue lysates, Lane 3: mouse skeletal muscle 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-Myogenin/MYOG antigen affinity purified polyclonal antibody (Catalog # A03238-1) 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 Myogenin/MYOG at approximately 40 kDa. The expected band size for Myogenin/MYOG is at 25 kDa.

[Anti-Myogenin/MYOG Antibody](#)

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