

Basic Information

Product Name	Anti-Myogenin/MYOG Antibody
Gene Name	MYOG
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat, monkey
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human Myogenin/MYOG recombinant protein (Position: M1-N224). Human MYOG shares 95.1% and 95% amino acid (aa) sequence identity with mouse and rat MYOG, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	36 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

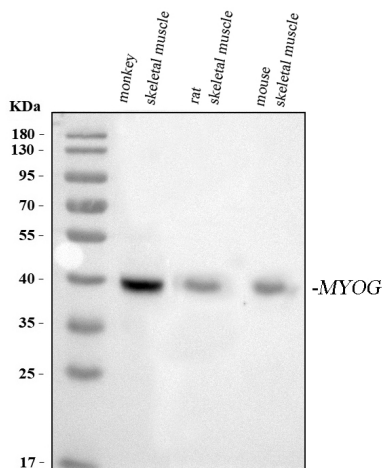
Background Information

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.

Reference

Anti-Myogenin/MYOG Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of anti-Myogenin/MYOG antibody (A03238-1).

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 membrane.

Then the membrane was incubated with rabbit anti-Myogenin/MYOG

antigen affinity purified polyclonal antibody (A03238-1) and probed

with a goat anti-rabbit IgG-HRP secondary antibody (Catalog #

BA1054). The signal is developed using ECL Plus Western Blotting

Substrate (Catalog # AR1197). A specific band was detected for

Myogenin/MYOG at approximately 40 kDa. The expected band size

for Myogenin/MYOG is at 25 kDa.