

Datasheet for ABIN953583

## anti-Myogenin antibody (N-Term)



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### 2 Images

#### Overview

Quantity:	0.4 mL
Target:	Myogenin (MYOG)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myogenin antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 1-30aa) of human Myogenin
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Myogenin at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse
Purification:	Purified through a Protein A column followed by peptide affinity purification

#### Target Details

Target:	Myogenin (MYOG)
Alternative Name:	Myogenin ( <a href="#">MYOG Products</a> )

## Target Details

Background: 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. Synonyms: BHLHC3, Class C basic helix-loop-helix protein 3, MYF4, MYOG, Myogenic factor 4

Gene ID: 4656

NCBI Accession: [NP\\_002470](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

**Image 1.** Western blot analysis in ZR-75-1 cell line lysates (35ug/lane) using Myogenin Antibody (N-term). This demonstrates this antibody detected the Myogenin protein (arrow).

Western Blotting

**Image 2.** Western blot analysis in mouse heart tissue lysates (35ug/lane) using Myogenin Antibody (N-term). This demonstrates this antibody detected the Myogenin protein (arrow).