

Datasheet for ABIN306849
anti-Myogenin antibody (AA 30-224)

1 Image

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Overview

Quantity:	100 µg
Target:	Myogenin (MYOG)
Binding Specificity:	AA 30-224
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myogenin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Gel Shift (GS)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with recombinant protein containing rat myogenin amino acids 30-224 and mouse myeloma NS1 cells.
Clone:	F12B
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Myogenin, Myogenic factor 4, Myf-4, Myogenin is a member of a family of myogenic regulatory genes, which includes MyoD, myf5 and MRF4. These genes encode a set of transcription factors, which are essential for muscle development. Expression of myogenin is restricted to cells of skeletal muscle origin. It is therefore a useful marker for tumors of the muscle lineage,

Product Details

being strongly expressed in alveolar rhabdomyosarcomas.

Purification: Protein A/G Chromatography

Target Details

Target: Myogenin (MYOG)

Alternative Name: Myogenin ([MYOG Products](#))

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

Application Details

Application Notes: This antibody can be used for ELISA, gel supershift assays, immunofluorescence, immunoprecipitation of protein-DNA complexes (2 µg/mg), Western blotting (1 µg/mL) and is the antibody of choice for immunohistochemistry on formalin-fixed, paraffin-embedded tissue sections (1-2 µg/mL). Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

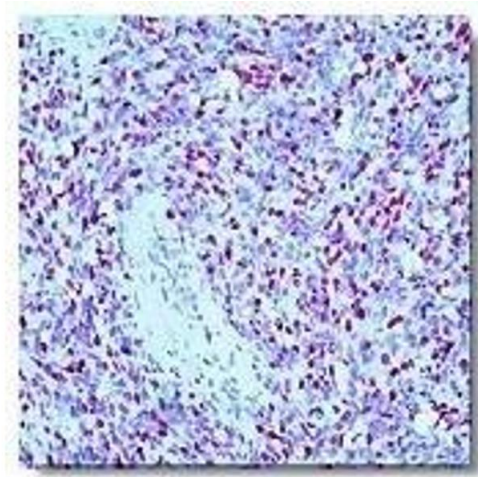
Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide, X1415M, clone F12B recognizes a protein of 34 kDa, identified as myogenin. Its epitope localizes between aa 158-178 of myogenin.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Immunohistochemistry

Image 1. Immunohistochemical staining using myogenin antibody on formalin fixed, paraffin embedded human rhabdomyosarcoma.