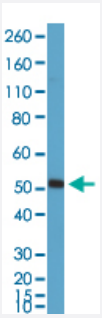
RecomAb™

MYOD1 monoclonal antibody, clone RM369

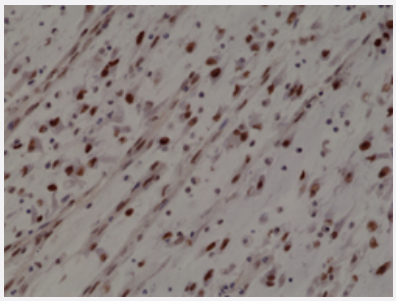
Catalog # MAB22001 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of mouse skeletal muscle.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human rhabdomyosarcoma.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MYOD1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to residues near the N-terminus of human MYOD1.
Reactivity	Human
Specificity	This antibody reacts to human, mouse, and rat MyoD1 (Myoblast determination protein 1).
Form	Liquid

Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1000) Western Blot (1:1000-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western Blot (Tissue lysate) analysis of mouse skeletal muscle.

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Gene Info — MYOD1

Entrez GeneID	4654
Gene Name	MYOD1
Gene Alias	MYF3, MYOD, PUM, bHLHc1
Gene Description	myogenic differentiation 1
Omim ID	159970
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcripti on factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing c ell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regen eration. It activates its own transcription which may stabilize commitment to myogenesis. [provide d by RefSeq
Other Designations	myoblast determination protein 1|myogenic factor 3

Disease

- Carotid Artery Diseases
- Plaque