

Anti-Myogenin Antibody (2H425)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 25 kDa. Actual: 32 kDa.
Clone:	2H425
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">1. Paraformaldehyde-fixed, paraffin embedded Mouse Embryo; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Myogenin Monoclonal Antibody, Unconjugated (TMAB-09173) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.2. Paraformaldehyde-fixed, paraffin embedded Rat Embryo; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Myogenin Monoclonal Antibody, Unconjugated (TMAB-09173) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.3. Paraformaldehyde-fixed, paraffin embedded Human Rhabdomyosarcoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Myogenin Monoclonal Antibody, Unconjugated (TMAB-09173) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.4. 25 µg total protein per lane of various lysates (see on figure) probed with Myogenin monoclonal antibody, unconjugated (TMAB-09173) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	IHC-P,IHC-Fr,IF,WB,FCM
Recommended	IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200; WB: 1:500-2000; FCM: 1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human Myogenin
Antigen Species:	Human
Gene ID:	4656
Uniprot ID:	P15173

Research Background

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. Transfection of myogenin into multipotential mesodermal cells have been shown to convert the mesodermal cells to myoblasts. Expression of

A DRUG SCREENING EXPERT

myogenin is restricted to cells of skeletal muscle origin. It is therefore a useful marker for tumors of the muscle lineage, being strongly expressed in alveolar rhabdomyosarcomas.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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