10320 Camino Santa Fe, Suite G
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MYF6 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1728a

Specification

MYF6 Antibody - Product Information

Application	**WB, E**
Primary Accession	P23409
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**27kDa KDa**

Description
The protein encoded by this gene is a probable basic helix-loop-helix (bHLH) DNA binding protein involved in muscle differentiation. The encoded protein likely acts as a heterodimer with another bHLH protein. Defects in this gene are a cause of autosomal dominant centronuclear myopathy (ADCNM).

Immunogen
Purified recombinant fragment of human MYF6 (AA: 85-150) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

MYF6 Antibody - Additional Information

Gene ID 4618

Other Names
Myogenic factor 6, Myf-6, Class C basic helix-loop-helix protein 4, bHLHc4, Muscle-specific regulatory factor 4, MYF6, BHLHC4, MRF4

Dilution
WB~~1/500 - 1/2000
E~~1/10000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MYF6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MYF6 Antibody - Protein Information

Name MYF6

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Synonyms BHLHC4, MRF4

Function
Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.

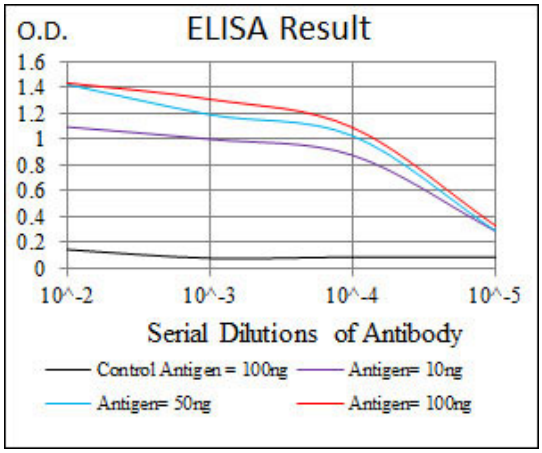
Cellular Location
Nucleus.

Tissue Location
Skeletal muscle.

MYF6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



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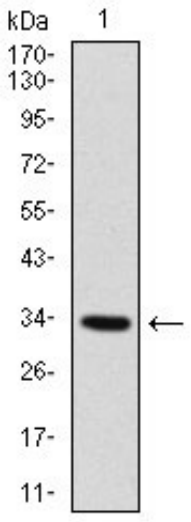

Figure 1: Western blot analysis using MYF6 mAb against human MYF6 recombinant protein. (Expected MW is 33.4 kDa)

MYF6 Antibody - References

1.J Bone Miner Res. 2009 Dec;24(12):2039-49. 2.J Appl Physiol. 2006 Aug;101(2):531-44.