Recombinant Myogenin / Myf-4 (Skeletal Muscle Marker) Antibody

Rabbit Monoclonal Antibody [Clone MYOG/6298R]

Catalog No	Format	Size
4656-RBM8-P0	Purified Ab with BSA and Azide	200ug/ml
4656-RBM8-P1	Purified Ab with BSA and Azide	200ug/ml
4656-RBM8-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

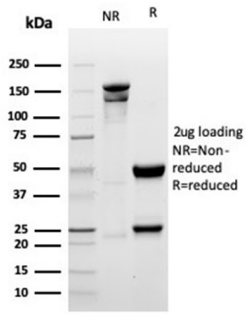
Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

Product Details

Clone	MYOG/6298R
Gene Name	MYOG
Immunogen	Recombinant full-length human myogenin (MYOG) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	34kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Rh-30 or HeLa cells. Skeletal muscle or rhabdomyosarcoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Myogenin / Myf-4 (Skeletal Muscle Marker) Antibody



SDS-PAGE Analysis of Purified Myogenin Recombinant Rabbit Monoclonal Antibody (MYOG/6298R). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

Myogenin is a member of the MyoD family of myogenic basic helix-loop-helix (bHLH) transcription factors that also includes MyoD, Myf-5, and MRF4 (also known as herculinor Myf-6). MyoD family members are expressed exclusively in skeletal muscle and play a key role in activating myogenesis by binding to enhancer sequences of muscle-specific genes. The regulatory domain of MyoD is approximately 70 amino acids in length and includes both a basic DNA binding motif and a bHLH dimerization motif.MyoD family members share about 80% amino acid homology in their bHLH motifs.Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms tumor.

Research Areas

Cardiovascular, Developmental Biology, Mesenchymal Stem Cell Differentiation, Nuclear Marker

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.