Recombinant MyoD1 (Rhabdomyosarcoma Marker) Antibody

Rabbit Monoclonal Antibody [Clone MYOD1/2075R]

Catalog No	Format	Size
4654-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4654-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4654-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

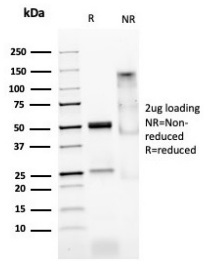
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

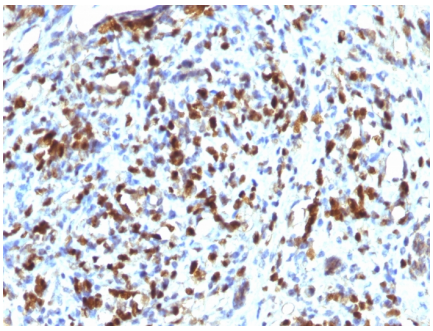
Clone	MYOD1/2075R
Immunogen	Recombinant full-length mouse MyoD1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	34.5kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Human skeletal muscle or rhabdomyosarcoma, Heart

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

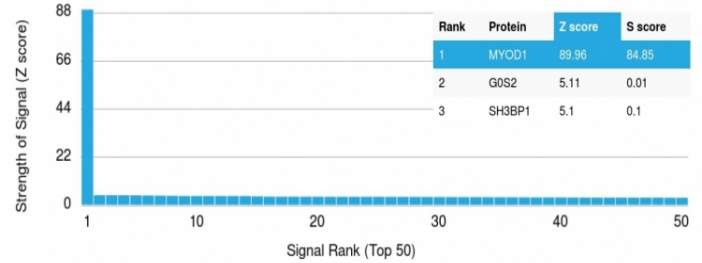
Product Images for Recombinant MyoD1 (Rhabdomyosarcoma Marker) Antibody



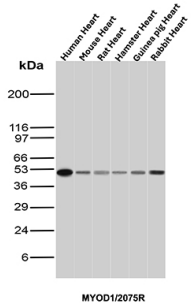
SDS-PAGE Analysis Purified MyoD1 Recombinant Rabbit Monoclonal Antibody (MYOD1/2075R). Confirmation of Purity and Integrity.



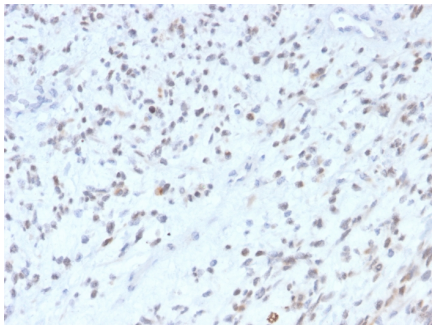
Formalin-fixed, paraffin-embedded human rhabdomyosarcoma stained with MyoD1 Recombinant Rabbit Monoclonal Antibody (MYOD1/2075R).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing MyoD1 Recombinant Rabbit Monoclonal Antibody (MYOD1/2075R).Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of Human Heart, Mouse Heart, Rat Heart, Hamster Heart, Guinea pig Heart, and Rabbit Heart tissue lysates using MyoD1 Recombinant Rabbit Monoclonal Antibody (MYOD1/2075R).



Formalin-fixed, paraffin-embedded human rhabdomyosarcoma stained with MyoD1 Recombinant Rabbit Monoclonal Antibody (MYOD1/2075R).

Specificity & Comments

Recognizes a phospho-protein of 45kDa, identified as MyoD1. This MAb does not cross react with myogenin, Myf5, or Myf6. Antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues. MyoD1 is not detected in normal adult tissue, but is highly expressed in the tumor cell nuclei of rhabdomyosarcomas. Occasionally nuclear expression of MyoD1 is seen in ectomesenchymoma and a subset of Wilm s tumors. Weak cytoplasmic staining is observed in several non-muscle tissues, including glandular epithelium and also in rhabdomyosarcomas, neuroblastomas, Ewing s sarcomas and alveolar soft part sarcomas. Only nuclear staining should be considered as evidence of skeletal muscle differentiation.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% 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.

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