

# Product Datasheet

## MyoD Antibody (MYOD1/2075R)

### NBP2-75769-100ug

Unit Size: 100 ug

Store at 4C.

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Updated 10/23/2024 v.20.1

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**NBP2-75769-100ug**

MyoD Antibody (MYOD1/2075R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MYOD1/2075R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	45 kDa

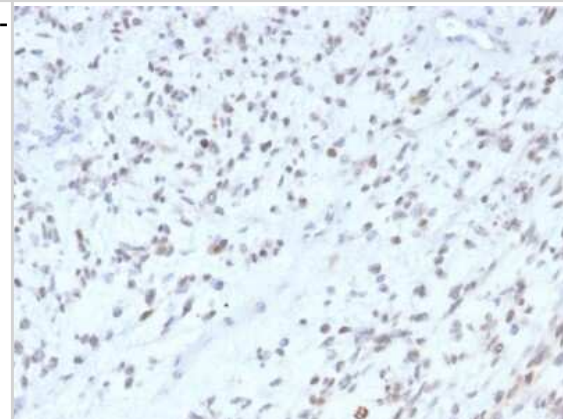
Product Description	
Description	200ug/ml of antibody purified by Protein A Column. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-75772)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Rabbit
Gene ID	4654
Gene Symbol	MYOD1
Species	Human
Marker	Rhabdomyosarcoma Marker
Specificity/Sensitivity	Recognizes a phospho-protein of 45kDa, identified as MyoD1. This monoclonal antibody 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.
Immunogen	Recombinant human full-length MyoD protein (Uniprot: P15172 )

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

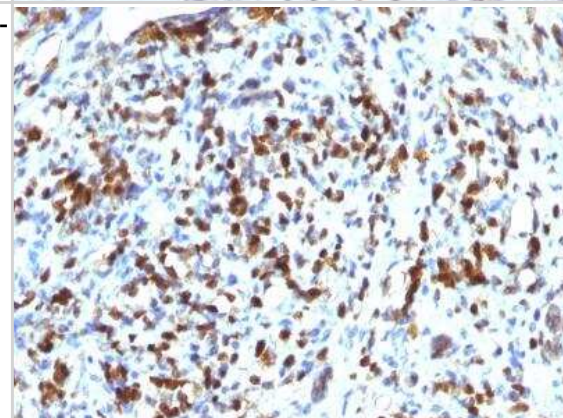


## Images

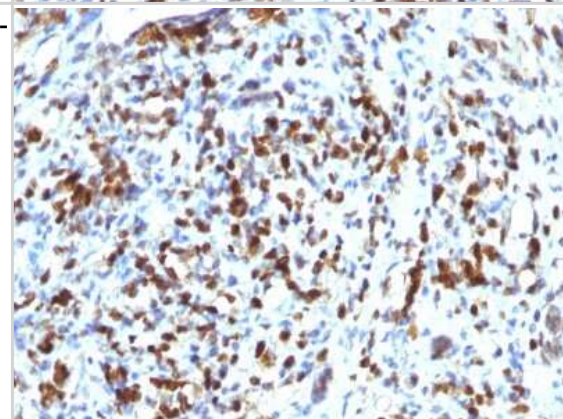
Immunohistochemistry-Paraffin: MyoD Antibody (MYOD1/2075R) [NBP2-75769] - Formalin-fixed, paraffin-embedded human rhabdomyosarcoma stained with MyoD Recombinant Rabbit Monoclonal Antibody (MYOD1/2075R).



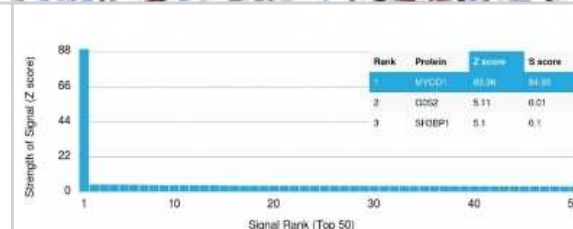
Immunohistochemistry-Paraffin: MyoD Antibody (MYOD1/2075R) [NBP2-75769] - Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with MyoD1 Mouse Monoclonal Antibody (MYOD1/2075R).



Immunohistochemistry-Paraffin: MyoD Antibody (MYOD1/2075R) [NBP2-75769] - Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with MyoD Antibody (MYOD1/2075R).



Protein Array: MyoD Antibody (MYOD1/2075R) [NBP2-75769] - Analysis of Protein Array containing more than 19,000 full-length human proteins using MyoD Antibody (MYOD1/2075R). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) 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 HuProt(TM) 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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5.





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### **Products Related to NBP2-75769-100ug**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004654-Q01-10ug	Recombinant Human MyoD GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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