

Datasheet for ABIN6940159
anti-MYOD1 antibody (AA 180-189)



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1 Image

Overview

Quantity:	100 µg
Target:	MYOD1
Binding Specificity:	AA 180-189
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MYOD1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM), Immunostaining (Ist)

Product Details

Immunogen:	Recombinant MyoD of Mouse origin with an epitope mapping to amino acids 180-189.
Clone:	SPM427
Isotype:	IgG1 kappa
Specificity:	Recognizes a phosphor-protein of 45 kDa, identified as MyoD1. The epitope of this MAb maps between amino acid 180-189 in the C-terminal of Mouse MyoD1 protein. It 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,

Product Details

neuroblastomas, Ewing's sarcomas and alveolar soft part sarcomas.

Purification: Purified by Protein A/G

Target Details

Target: MYOD1

Alternative Name: MYOD1 ([MYOD1 Products](#))

Molecular Weight: 45kDa

Gene ID: 4654

UniProt: [P15172](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Positive Control: Rhabdomyosarcoma.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1 mM EDTA Buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

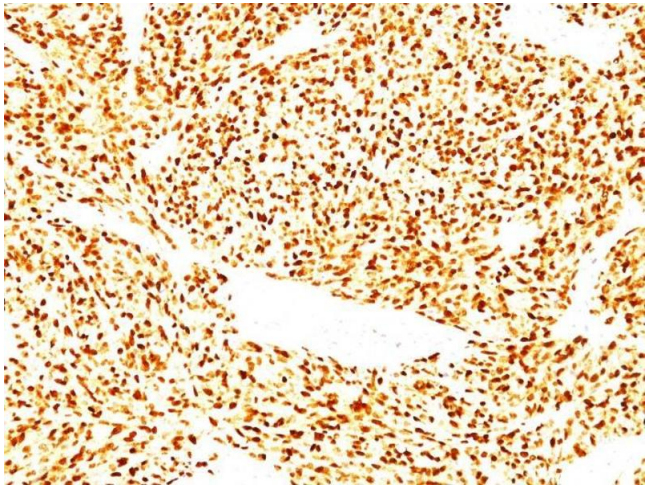
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: 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.

Expiry Date: 24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with MyoD1 Mouse Monoclonal Antibody (SPM427).