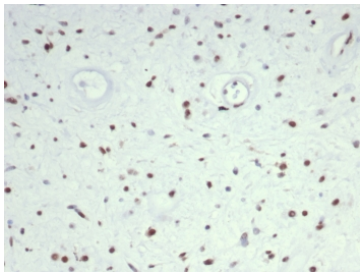
MyoD1 Antibody [clone MYOD1/7149] (V4146)

Catalog No.	Formulation	Size
V4146-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4146-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4146SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MYOD1/7149
Purity	Protein A/G affinity
UniProt	P15172
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This MyoD1 antibody is available for research use only.



IHC staining of FFPE human rhabdomyosarcoma tissue with MyoD1 antibody (clone MYOD1/7149). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Recognizes a phosphor-protein of 45kDa, 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, neuroblastomas, Ewing s sarcomas and alveolar soft part sarcomas.

Application Notes

Optimal dilution of the MyoD1 antibody should be determined by the researcher.

Immunogen

Recombinant mouse MyoD1 protein was used as the immunogen for the MyoD1 antibody.

Storage

Aliquot the MyoD1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.