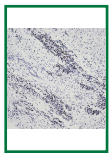
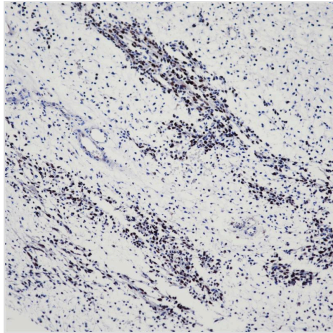


## MyoD1 Rabbit Monoclonal Antibody (ARA860)



### Key features and details

Target: MyoD1

Host Species: rabbit monoclonal antibody

Molecular Weight: 35 kDa

Purity: ProA affinity purified IgG

Species Cross - reactivity: Human

Applications: IHC - P

Swissprot ID: P15172

Brand: **AREX**  
Biosciences

CAT.NO. : ARB6650

**US\$: 350.00**

Size:

100µL

Trail, Bulk size or  
Custom requests  
Please contact us

\*产品价格可能会有所调整，请以品牌方官网实时更新的价格为准，以确保准确性。

## Product Details

### Background

MyoD1, one of the MyoD family of myogenic helix - loop - helix transcription factors, combined with myogenin, plays a role in coordinating the myogenic differentiation pathway from the determination of mesodermal precursors into myoblasts, the differentiation of myoblasts into myotubes, and finally the maturation of myotubes into skeletal myofibers. Normal mature skeletal muscle does not express MyoD1 protein. MyoD1 is expressed in myoblasts before differentiation while myogenin has post - differentiation functions. Anti - MyoD1 immunostaining identifies cells committed to myogenesis in their earliest phase, thus, it is a better biomarker for less differentiated Rhabdomyosarcoma cells (RMS).

RMS are the most frequent malignant soft tissue neoplasms of childhood. While better differentiated RMS have cross - striations or rhabdomyoblasts that allow for a confident morphologic diagnosis, less differentiated RMS resemble other small blue round - cell tumors.

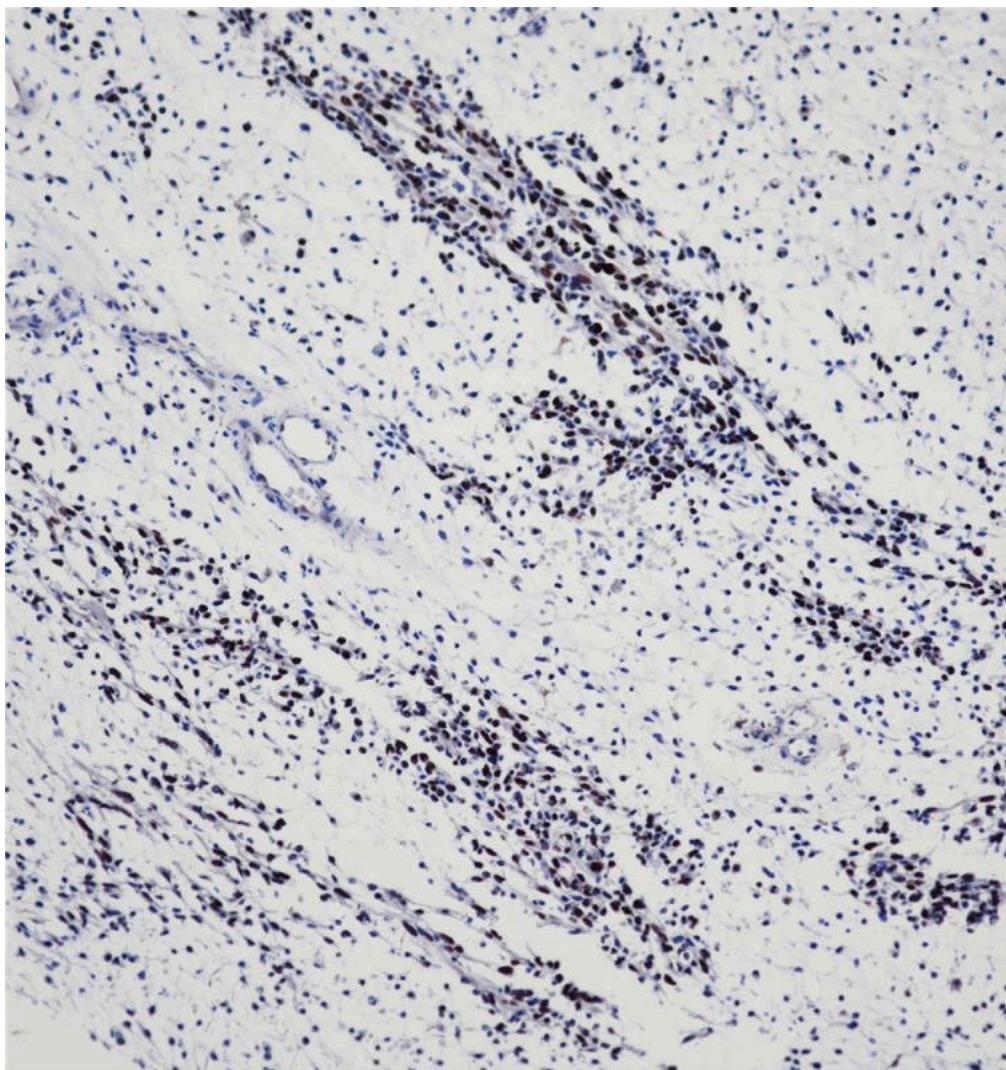
Studies suggest, anti - MyoD1 may be used together with anti - myogenin and anti - desmin as a panel of markers since any RMS is virtually never negative for all three markers simultaneously.

### Overview

Target	MyoD1
Clone ID	BP6124
Host Species	rabbit monoclonal antibody
Molecular Weight	35 kDa
Purity	ProA affinity purified IgG
Species Cross-reactivity	Human
Form	Liquid
Applications	IHC-P
Swissprot ID	P15172
Immunogen	Synthetic peptide corresponding to residues within aa1-100 of Human MyoD1

Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Storage Conditions	-25°C to -18°C
Dilutions	IHC-P: 1:100-1:200
Subcellular Location	Nucleus
Recommended Method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes

## Data



Immunohistochemistry (Formalin/PFA - fixed, paraffin - embedded sections) analysis of Rhabdomyosarcoma tissue labeling Myo D1 with ARA860. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

## Storage

Store at -20°C. Stable for one year from the date of shipment.