

## Product datasheet

# Anti-Myogenin antibody [EPR4789] ab124800

Recombinant RabMAb

★★★★☆ 1 Abreviews 23 References 3 Images

### Overview

<b>Product name</b>	Anti-Myogenin antibody [EPR4789]
<b>Description</b>	Rabbit monoclonal [EPR4789] to Myogenin
<b>Host species</b>	Rabbit
<b>Specificity</b>	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat. This antibody has low affinity on skeletal muscle samples in WB. Please increase protein or antibody amount to get satisfied results.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human Myogenin. The exact sequence is proprietary.
<b>Positive control</b>	WB: C2C12 and Human fetal muscle lysates; IHC-P: Human rhabdomyosarcoma tissue.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

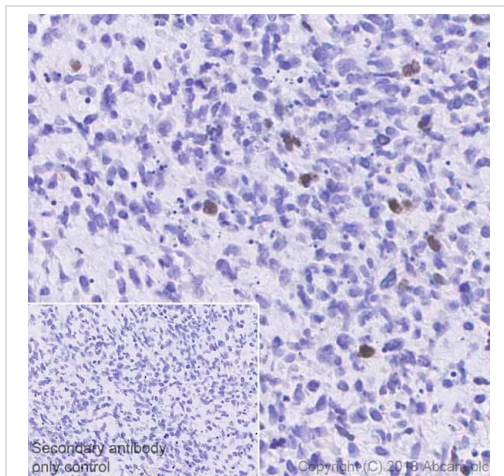
We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in



## Target

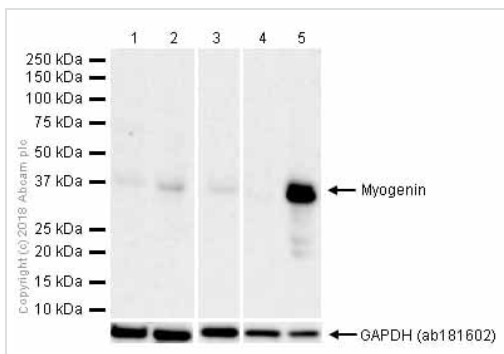
<b>Function</b>	Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.
<b>Sequence similarities</b>	Contains 1 basic helix-loop-helix (bHLH) domain.
<b>Cellular localization</b>	Nucleus.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human rhabdomyosarcoma tissue sections labeling Myogenin with Purified ab124800 at 1:500 dilution (1.08 µg/ml). Heat mediated antigen retrieval was performed using using [ab93684](#) (Tris/EDTA buffer, pH 9.0)ImmunoHistoProbe one step HRP Polymer (ready to use)was used as the secondary antibody.Negative control:PBS instead of the primary antibody.Hematoxylinwas used as a counterstain

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myogenin antibody [EPR4789] (ab124800)



Western blot - Anti-Myogenin antibody [EPR4789] (ab124800)

**All lanes** : Anti-Myogenin antibody [EPR4789] (ab124800) at 0.5 µg/ml (purified)

**Lane 1** : Human fetal skeletal muscle lysates

**Lane 2** : Rat fetal skeletal muscle lysates

**Lane 3** : Mouse fetal skeletal muscle lysates

**Lane 4** : C2C12 (Mouse myoblasts myoblast) whole cell lysates

**Lane 5** : C2C12 (Mouse myoblasts myoblast) treated with 2% horse serum whole cell lysates

Lysates/proteins at 15 µg per lane.

### Secondary

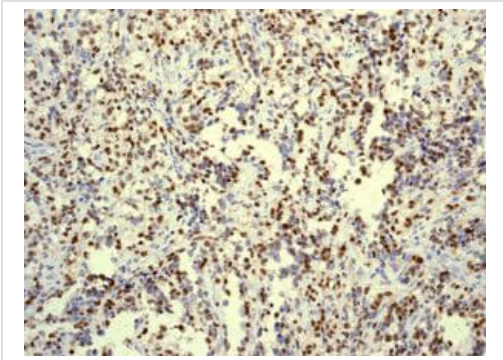
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 25 kDa

Blocking and diluting buffer: 5% NFDm/TBST.

This antibody has low affinity on skeletal muscle samples. Please increase protein or antibody amount to get satisfied results.

Myogenin expression is upregulated in C2C12 cells during differentiation process induced by horse serum treatment (PMID: 26563778).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myogenin antibody [EPR4789] (ab124800)

Unpurified ab124800, at a 1/100 dilution, staining Myogenin in paraffin embedded Human rhabdomyosarcoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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