

Anti-Myogenin antibody [EPR4789] ab124800

リコンビナント RabMAb

★★★★★ **3 Abreviews** **40 References** 画像数 5

製品の概要

製品名	Anti-Myogenin antibody [EPR4789]
製品の詳細	Rabbit monoclonal [EPR4789] to Myogenin
由来種	Rabbit
特異性	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.
アプリケーション	適用あり: WB, IHC-P, ICC/IF 適用なし: IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Myogenin. The exact sequence is proprietary.
ポジティブ・コントロール	WB: C2C12 and Human fetal muscle lysates; IHC-P: Human rhabdomyosarcoma tissue; ICC/IF: ioSkeletal Myocytes - Human iPSC-Derived Skeletal Myocytes (ab277612).
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified

ポリモノ	モノクローナル
クローン名	EPR4789
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab124800の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

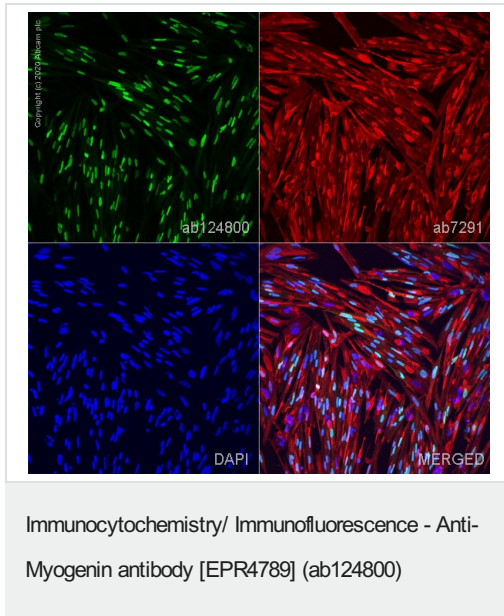
アプリケーション	Abreviews	特記事項
WB		1/200. Detects a band of approximately 34 kDa (predicted molecular weight: 25 kDa). For unpurified use at 1/1000.00000 - 1/10000.00000 This antibody has low affinity on skeletal muscle samples in WB. Please increase protein or antibody amount to get satisfied results.
IHC-P	★★★★★ (1)	1/500. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> . For unpurified use at 1/100.00000 - 1/250.00000 The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
ICC/IF	★★★★★ (1)	Use a concentration of 0.5 - 5 µg/ml.

追加情報 Is unsuitable for IP.

ターゲット情報

機能	Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.
配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
細胞内局在	Nucleus.

画像

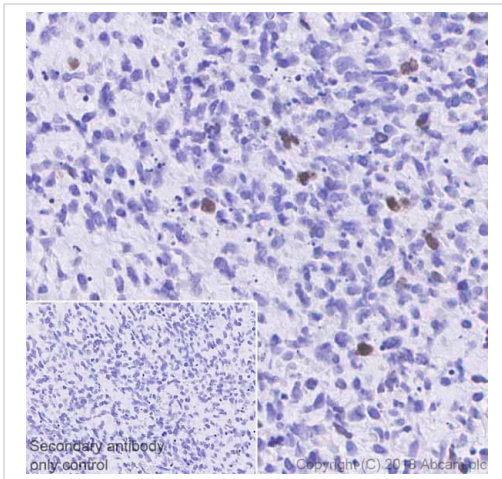


Immunofluorescence staining of Myogenin using ab124800 in iSkeletal Myocytes - Human iPSC-Derived Skeletal Myocytes (**ab277612**), which were differentiated for 3 days post induction.

The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 mins and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab124800 at 0.5 µg/mL and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin, at 1/1000 dilution. Cells were then incubated with **ab150081**, Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

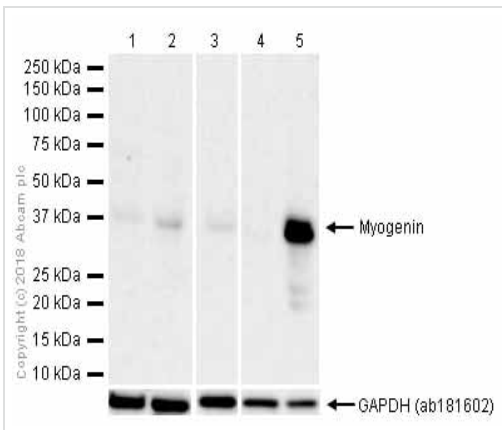
Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown. Gamma is adjusted to 1.5 in all channels.

The antibody ab124800 gave comparable results using MeOH fixation (100%, 5 min).



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

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



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

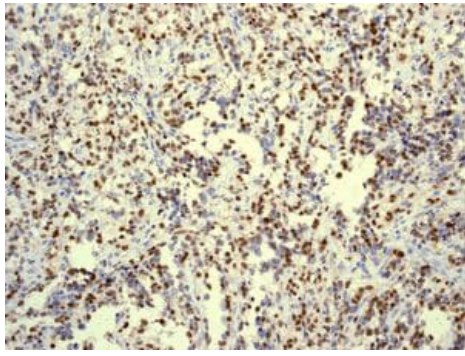
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 25 kDa

Blocking and diluting buffer: 5% NFDN/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.

Why choose a recombinant antibody?



Anti-Myogenin antibody [EPR4789] (ab124800)

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

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