

## Product datasheet

# Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] ab203833

Recombinant RabMAb

[1 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-ACTR1B + ACTR1A antibody [EPR16968(B)]
<b>Description</b>	Rabbit monoclonal [EPR16968(B)] to ACTR1B + ACTR1A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human ACTR1B + ACTR1A aa 50-150. The exact sequence is proprietary. Database link: <a href="#">P42025</a>
<b>Positive control</b>	WB: Jurkat, MOLT-4 and HeLa whole cell lysates; Human fetal brain and fetal kidney lysates; Full length Human ACTR1A recombination protein. IP: Jurkat whole cell lysate.
<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 <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number EPR16968(B)

Isotype IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab203833** in the following tested applications.

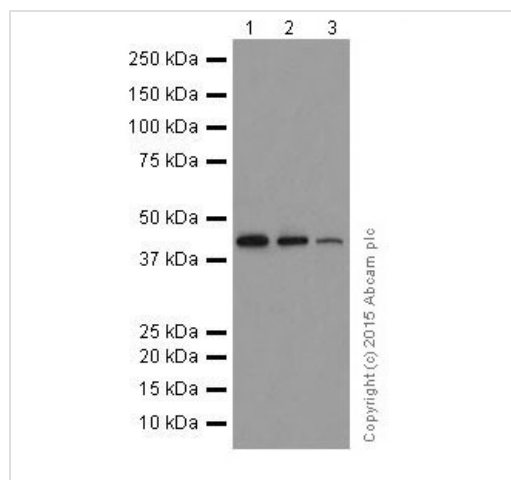
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).
IP		1/40.

## Target

Cellular localization Cytoplasmic

## Images



Western blot - Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] (ab203833)

**All lanes** : Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] (ab203833) at 1/1000 dilution

**Lane 1** : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

**Lane 2** : MOLT-4 (Human lymphoblastic leukemia cell line) whole cell lysate

**Lane 3** : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

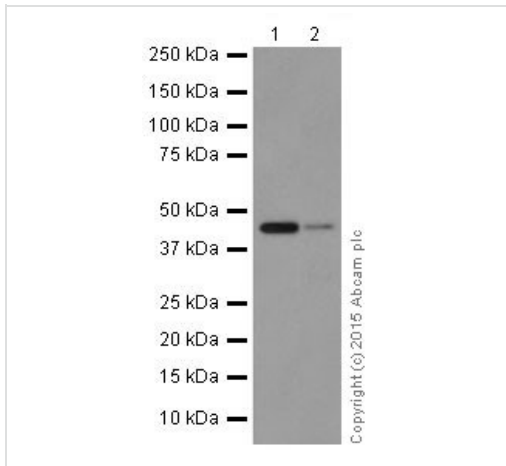
**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] (ab203833)

**All lanes :** Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] (ab203833) at 1/1000 dilution

**Lane 1 :** Human fetal brain lysate

**Lane 2 :** Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

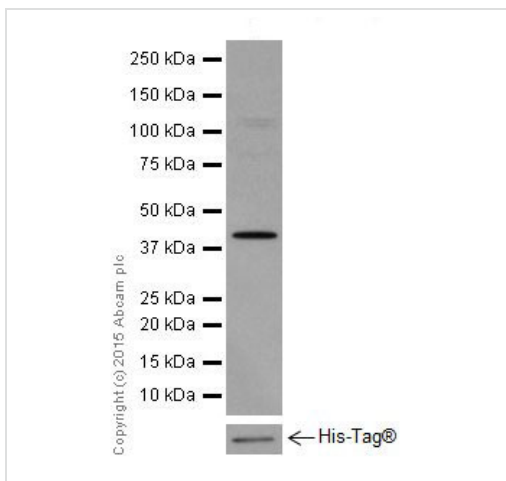
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] (ab203833)

Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] (ab203833) at 1/1000 dilution + Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 0.01 µg

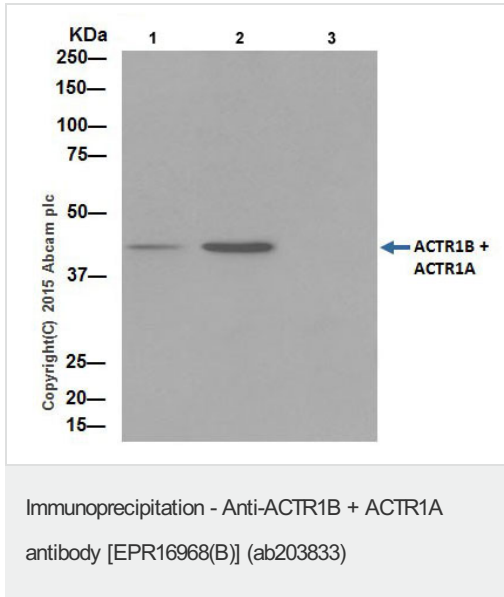
#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 1 second



ACTR1B + ACTR1A was immunoprecipitated from 1mg of Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate with ab203833 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab203833 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/1500.

Lane 1: Jurkat whole cell lysate 10ug (Input). Lane 2: ab203833 IP in Jurkat whole cell lysate. Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab203833 in Jurkat whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDN/TBST.

Exposure time: 10 seconds.

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

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