

# Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] - BSA and Azide free ab251404

Recombinant RabMAb

5 Images

### Overview

<b>Product name</b>	Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR16968(B)] to ACTR1B + ACTR1A - BSA and Azide free
<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. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab251404 is the carrier-free version of <a href="#">ab203833</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR16968(B)
<b>Isotype</b>	IgG

## Applications

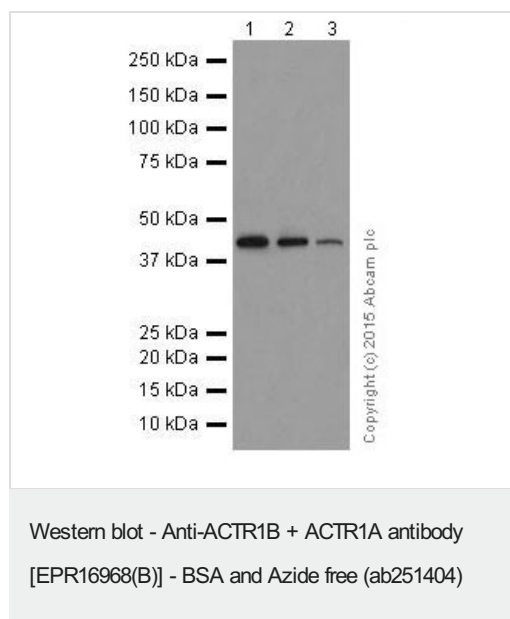
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab251404 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use at an assay dependent concentration. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).
<b>IP</b>		Use at an assay dependent concentration.

## Target

**Cellular localization** Cytoplasmic

## Images



**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

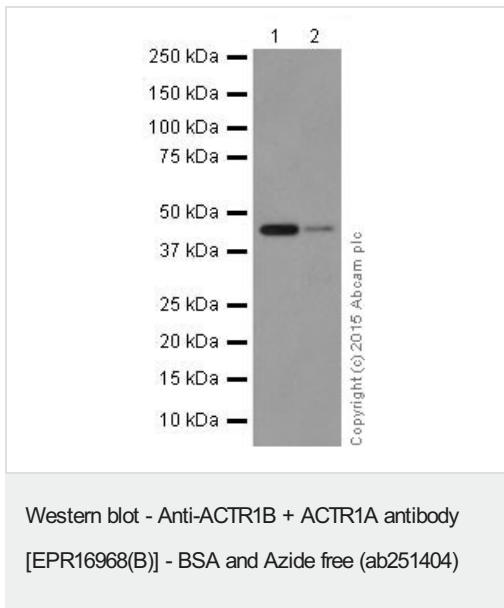
**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 3 minutes

This data was developed using [ab203833](#), the same antibody clone in a different buffer formulation.

**Blocking and dilution buffer:** 5% NFDM/TBST.



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

**Lane 1 :** Human fetal brain tissue lysate

**Lane 2 :** Human fetal kidney tissue 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

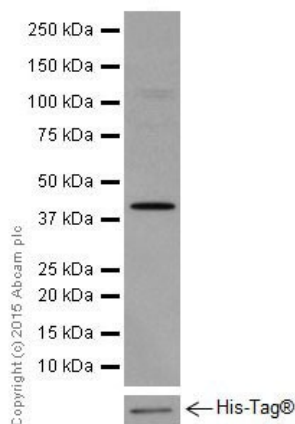
**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 3 minutes

This data was developed using [ab203833](#), the same antibody clone in a different buffer formulation.

**Blocking and dilution buffer:** 5% NFDM/TBST.



Western blot - Anti-ACR1B + ACR1A antibody [EPR16968(B)] - BSA and Azide free (ab251404)

Anti-ACR1B + ACR1A antibody [EPR16968(B)] ([ab203833](#)) at 1/1000 dilution + Full length Human ACR1A recombination protein at 0.01 µg

### Secondary

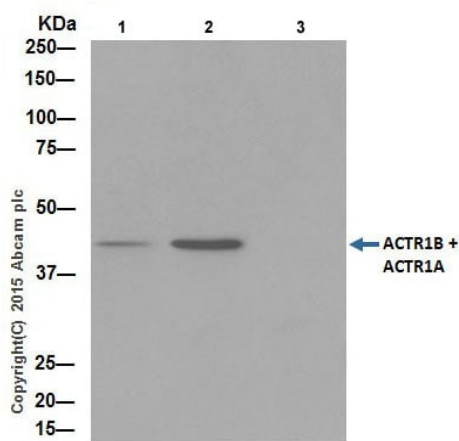
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 1 second

This data was developed using [ab203833](#), the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-ACR1B + ACR1A antibody [EPR16968(B)] - BSA and Azide free (ab251404)

This data was developed using [ab203833](#), the same antibody clone in a different buffer formulation. ACR1B + ACR1A 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.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-ACTR1B + ACTR1A antibody [EPR16968(B)] -  
BSA and Azide free (ab251404)

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

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