

Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody [EPR13854] α b181153

Recombinant RabMAb

[12 References](#) [6 Images](#)

Overview

Product name	Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody [EPR13854]
Description	Rabbit monoclonal [EPR13854] to IREB2/IRP2 + Aconitase 1/ACO1
Host species	Rabbit
Specificity	The antibody immunogen share 80% homology with the IREB1 protein, therefore it is likely that the antibody cross-react with IREB1. We received some customers feedback where they observed this cross-reactivity, however no experiments were performed in our lab in order to confirm this.
Tested applications	Suitable for: WB, Flow Cyt (Intra) Unsuitable for: ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A549, Jurkat, Human fetal kidney or Human fetal liver lysates. ICC/IF: HepG2 cells. Flow Cyt (intra): HepG2 cells.
General notes	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 .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13854
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181153 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

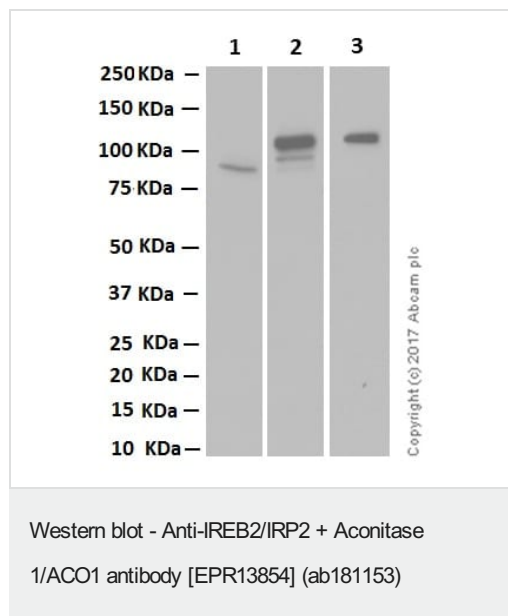
Application	Abreviews	Notes
WB		1/1000 - 1/2000. Detects a band of approximately 90 kDa (predicted molecular weight: 105 kDa).
Flow Cyt (Intra)		1/30.

Application notes Is unsuitable for ICC/IF.

Target

Cellular localization IREB2/IRP2: Cytoplasm. Aconitase 1/ACO1: Cytoplasm.

Images



All lanes : Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody [EPR13854] (ab181153) at 1/1000 dilution

Lane 1 : Control HEK293 (Human epithelial cell line from embryonic kidney) whole cell lysate at 20 µg

Lane 2 : HEK293 (Human epithelial cell line from embryonic kidney) transfected with Myc-DDK tagged IREB2 expression vector, whole cell lysate at 20 µg

Lane 3 : Full-length Recombinant Human Aconitase 1 protein, at 0.02 µg

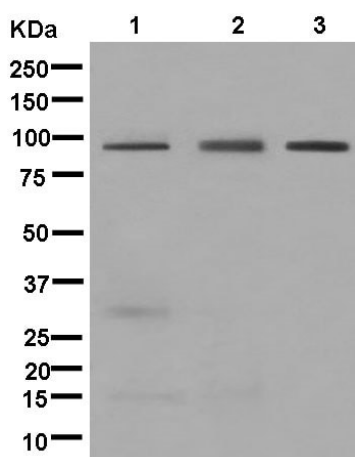
Secondary

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

Predicted band size: 105 kDa

Observed band size: 106 kDa

Blocking and diluting buffer: 5% NFDM /TBST



Western blot - Anti-IREB2/IRP2 + Aconitase
1/ACO1 antibody [EPR13854] (ab181153)

All lanes : Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody
[EPR13854] (ab181153) at 1/1000 dilution (unpurified)

Lane 1 : A549 cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : Human fetal kidney tissue lysate

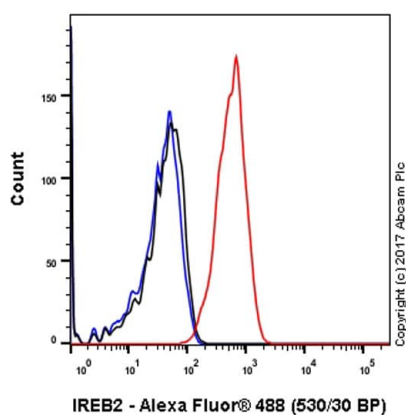
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Peroxidase-conjugated goat anti-rabbit IgG, (H+L) at
1/1000 dilution

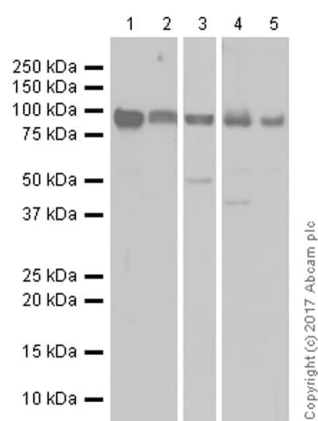
Predicted band size: 105 kDa

Observed band size: 90 kDa



Flow Cytometry (Intracellular) - Anti-IREB2/IRP2 +
Aconitase 1/ACO1 antibody [EPR13854] (ab181153)

Intracellular Flow Cytometry analysis of HepG2 (human
hepatocellular carcinoma) cells labeling IREB2 (red) with ab181153
at a 1/30 dilution. Cells were fixed with 4% paraformaldehyde and
permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa
Fluor® 488) (**ab150077**) was used as the secondary antibody at a
1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue
(unlabeled control) - Cells without incubation with the primary and
secondary antibodies.



Western blot - Anti-IREB2/IRP2 + Aconitase
1/ACO1 antibody [EPR13854] (ab181153)

All lanes : Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody
[EPR13854] (ab181153) at 1/1000 dilution (purified)

Lane 1 : Human fetal liver tissue lysate

Lane 2 : Jurkat (Human T cell leukemia T lymphocyte) whole cell
lysate

Lane 3 : Mouse kidney tissue lysate

Lane 4 : Mouse heart tissue lysate

Lane 5 : Rat heart tissue lysate

Lysates/proteins at 20 µg per lane.

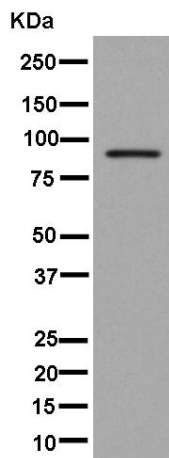
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form
of IgG at 1/2000 dilution

Predicted band size: 105 kDa

Observed band size: 90 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody [EPR13854] (ab181153)

Anti-IREB2/IRP2 + Aconitase 1/ACO1 antibody [EPR13854] (ab181153) at 1/5000 dilution (unpurified) + Human fetal liver cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab136636](#)) at 1/500 dilution

Predicted band size: 105 kDa

Observed band size: 90 kDa

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-IREB2/IRP2 + Aconitase 1/ACO1 antibody [EPR13854] (ab181153)

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

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