abcam

Product datasheet

Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] ab203834

Recombinant RabMAb

2 References 6 Images

Overview

Product name	Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725]
Description	Rabbit monoclonal [EPR16725] to AKR1C3 + AKR1C2 + AKR1C1
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal brain, fetal kidney and fetal liver lysates; MOLT-4 cell lysate. IP: Human fetal liver whole cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16725

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab203834 in the following tested applications.

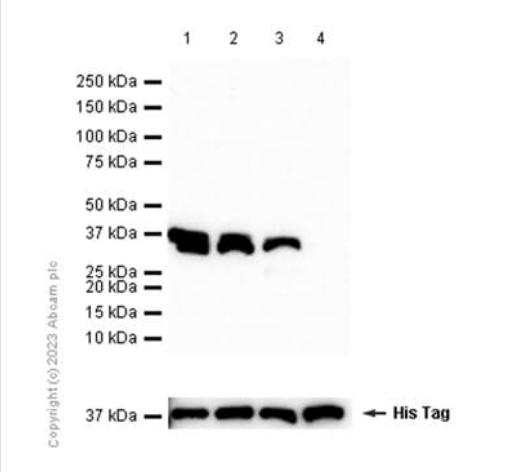
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 37 kDa (predicted molecular weight: 37 kDa).
IP		1/50.

Target

Cellular localization AKR1C3: Cytoplasm. AKR1C2: Cytoplasm. AKR1C1: Cytoplasm.

Images



Western blot - Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834)

All lanes : Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834) at 1/1000 dilution

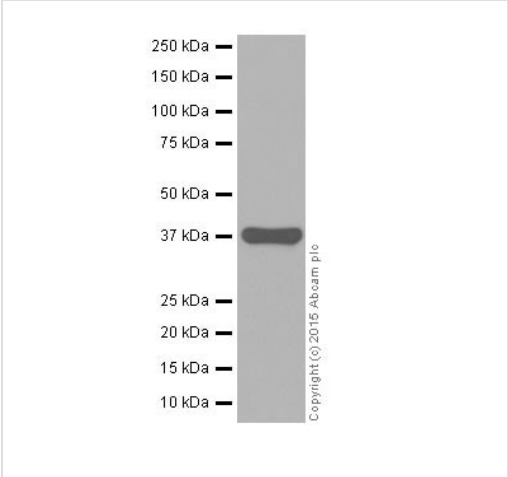
Lane 1 : His-tagged human AKR1C1 recombinant protein, full-length
Lane 2 : His-tagged human AKR1C2 recombinant protein, full-length
Lane 3 : His-tagged human AKR1C3 recombinant protein, full-length
Lane 4 : His-tagged human AKR1C4 recombinant protein, full-length

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

Predicted band size: 37 kDa
Observed band size: 39 kDa

Exposure time: 40 seconds

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834)

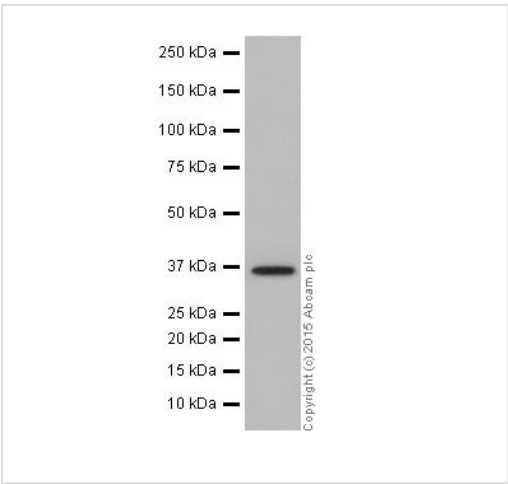
Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834) at 1/5000 dilution + Human fetal brain tissue lysate at 20 µg

Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 37 kDa
Observed band size: 37 kDa

Exposure time: 10 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834)

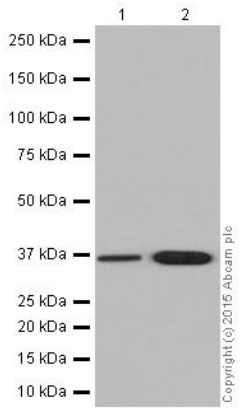
Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834) at 1/10000 dilution + MOLT-4 (Human lymphoblastic leukemia cell line) cell lysate at 10 µg

Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 37 kDa
Observed band size: 37 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834)

All lanes : Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834) at 1/10000 dilution

Lane 1 : Human fetal kidney lysate

Lane 2 : Human fetal liver 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

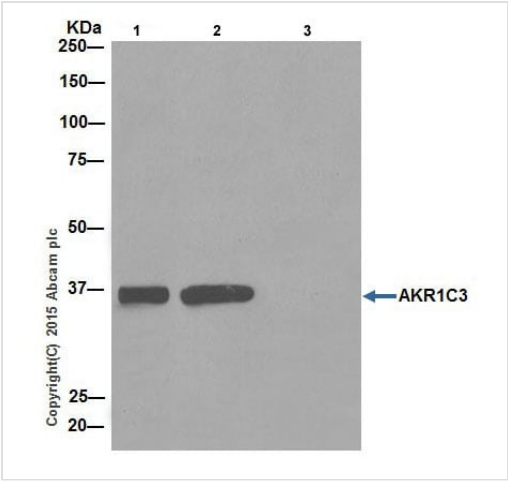
Predicted band size: 37 kDa

Observed band size: 37 kDa

Exposure time: 3 minutes

Blocking buffer: 5% NFDM/TBST.

Dilution buffer: 5% NFDM /TBST or 1%BSA /TBST.



Immunoprecipitation - Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834)

AKR1C3 was immunoprecipitated from 1mg of Human fetal liver whole cell lysate with ab203834 at 1/50 dilution. Western blot was performed from the immunoprecipitate using ab203834 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500.

Lane 1: Human fetal liver whole cell lysate 10ug (Input). Lane 2: ab203834 IP in Human fetal liver whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab203834 in Human fetal liver whole cell lysate.

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

Exposure time: 5 seconds.

Anti-AKR1C1+AKR1C2+AKR1C3 antibody [EPR16725] (ab203834)

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