

Product datasheet

Anti-ACAA2 antibody [EPR6732(2)] ab128929

Recombinant RabMAb

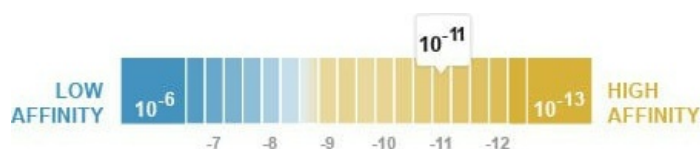
[1 References](#) [6 Images](#)

Overview

Product name	Anti-ACAA2 antibody [EPR6732(2)]
Description	Rabbit monoclonal [EPR6732(2)] to ACAA2
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, Caco-2 or HepG2 lysate, IHC-P: Human kidney tissue, ICC: HepG2 cells. Flow Cyt (intra): RPMI-8226 cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Dissociation constant (K_D)	K _D = 7.10 x 10 ⁻¹¹ M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6732(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab128929 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

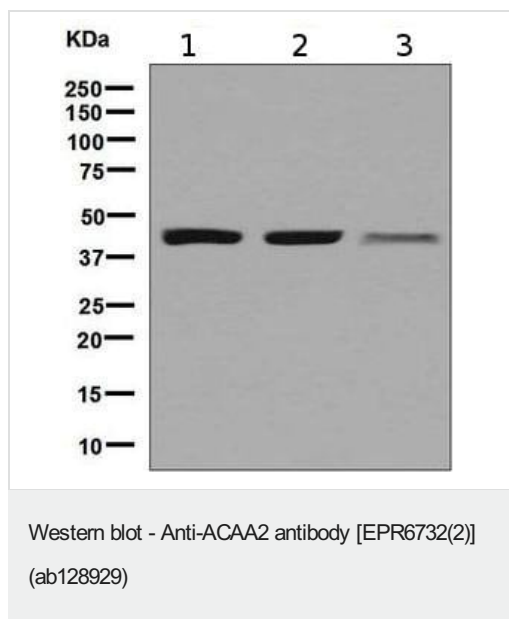
Application	Abreviews	Notes
Flow Cyt (Intra)		1/100. <u>ab172730</u> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 42 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Use of an HRP/AP polymerized secondary antibody recommended.
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for IP.

Target

Function	Abolishes BNIP3-mediated apoptosis and mitochondrial damage.
Pathway	Lipid metabolism; fatty acid metabolism.
Sequence similarities	Belongs to the thiolase family.
Cellular localization	Mitochondrion. Colocalizes with BNIP3 in the mitochondria.

Images



All lanes : Anti-ACAA2 antibody [EPR6732(2)] (ab128929) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Caco-2 cell lysate

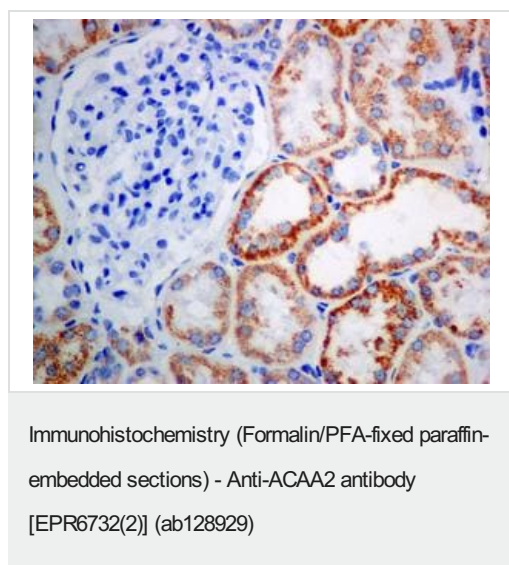
Lane 3 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

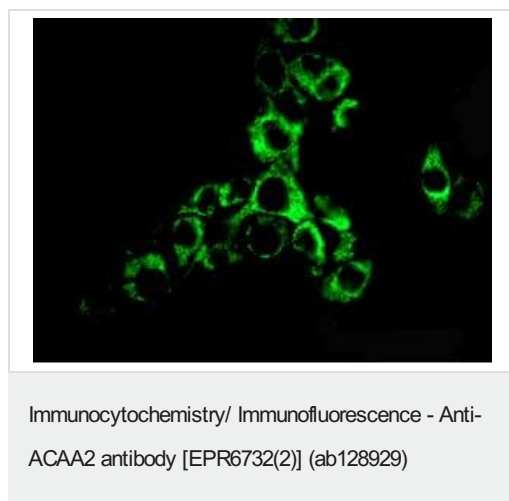
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 42 kDa

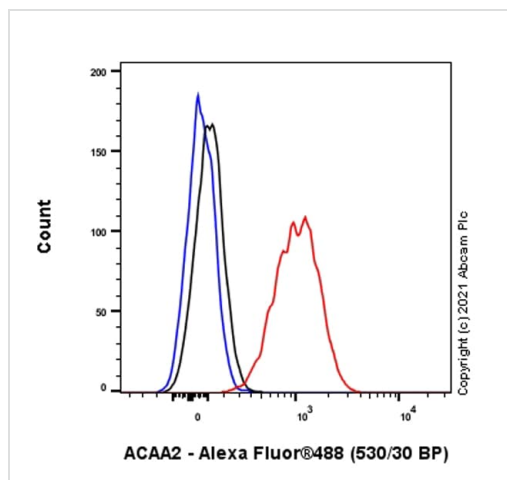


ab128929, at a 1/50 dilution, staining Human ACAA2 in kidney, using Immunohistochemistry, Formalin/PFA-fixed paraffin-embedded tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

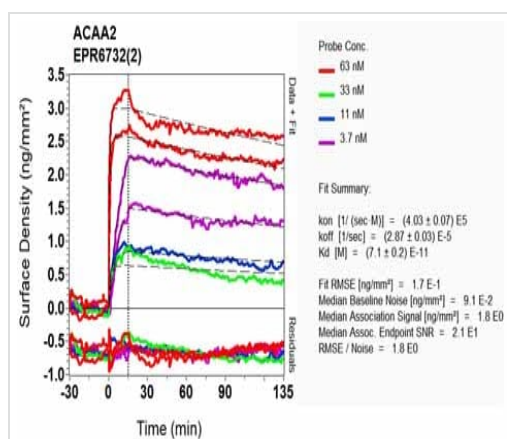


ab128929, at a 1/250 dilution, staining Human ACAA2 in HepG2 cells, using Immunofluorescence.



Flow Cytometry (Intracellular) - Anti-ACAA2 antibody
[EPR6732(2)] (ab128929)

Flow Cytometry analysis of RPMI-8226 (Human plasmacytoma, myeloma B Lymphocyte) cells labeling ACAA2 with purified ab128929 at 1/100 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



OI-RD Scanning - Anti-ACAA2 antibody
[EPR6732(2)] (ab128929)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-ACAA2 antibody [EPR6732(2)] (ab128929)

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