

Product datasheet

Anti-ABCF1 antibody [EPR16068] - C-terminal ab190798

Recombinant RabMAb

7 Images

Overview

Product name	Anti-ABCF1 antibody [EPR16068] - C-terminal
Description	Rabbit monoclonal [EPR16068] to ABCF1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, K562 and 293T cell lysates; Human kidney and Rat stomach tissues; HeLa and HepG2 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>

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	EPR16068
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab190798 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
ICC/IF		1/100.
WB		1/10000 - 1/50000. Detects a band of approximately 110 kDa (predicted molecular weight: 96 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function

Isoform 2 is required for efficient Cap- and IRES-mediated mRNA translation initiation. Isoform 2 is not involved in the ribosome biogenesis.

Tissue specificity

Ubiquitous.

Sequence similarities

Belongs to the ABC transporter superfamily. ABCF family. EF3 subfamily. Contains 2 ABC transporter domains.

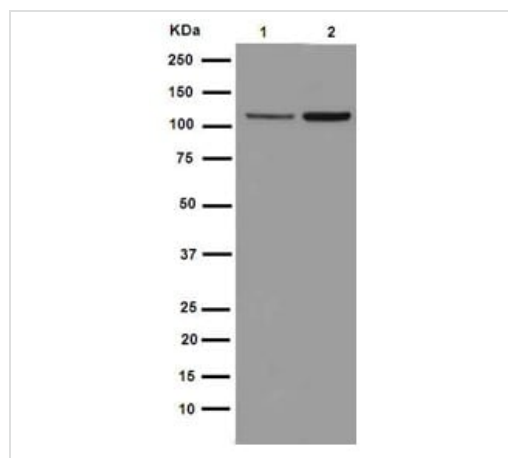
Post-translational modifications

Isoform 2 is phosphorylated at phosphoserine and phosphothreonine. Isoform 2 phosphorylation on Ser-109 and Ser-140 by CK2; inhibits association of EIF2 with ribosomes.

Cellular localization

Cytoplasm. Nucleus, nucleoplasm. Nucleus envelope.

Images



Western blot - Anti-ABCF1 antibody [EPR16068] - C-terminal (ab190798)

All lanes : Anti-ABCF1 antibody [EPR16068] - C-terminal (ab190798) at 1/10000 dilution

Lane 1 : HeLa cell lysate

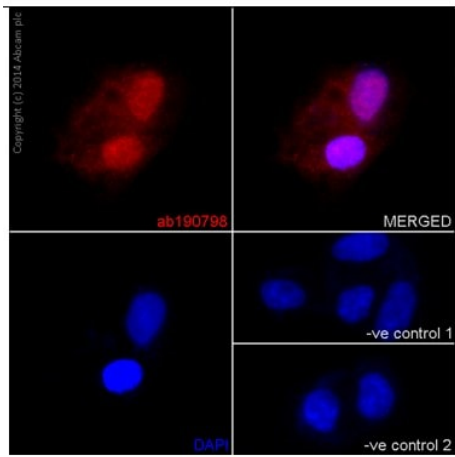
Lane 2 : K562 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

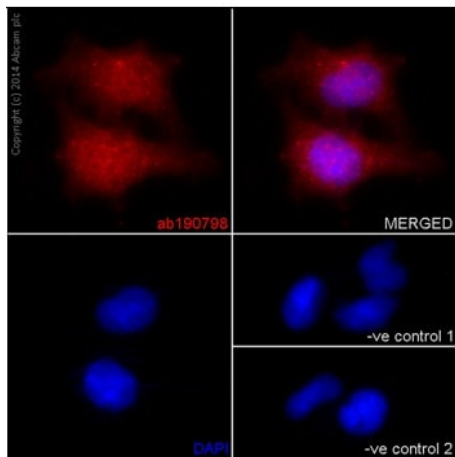
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 96 kDa



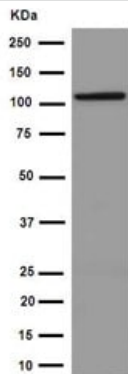
Immunofluorescent analysis of 4% paraformaldehyde-fixed HepG2 cells labeling ABCF1 with ab190798 at 1/100 dilution. Secondary antibody Goat anti rabbit IgG (Alexa Fluor®555) at a 1/200 dilution. Counterstained with Dapi blue. Negative controls also shown.

Immunocytochemistry/ Immunofluorescence - Anti-ABC1 antibody [EPR16068] - C-terminal (ab190798)



Immunofluorescent analysis of 4% paraformaldehyde fixed HeLa cells labeling ABCF1 with ab190798 at 1/100 dilution. Secondary antibody Goat anti rabbit IgG (Alexa Fluor®555) at a 1/200 dilution. Counterstained with Dapi blue. Negative controls also shown.

Immunocytochemistry/ Immunofluorescence - Anti-ABC1 antibody [EPR16068] - C-terminal (ab190798)



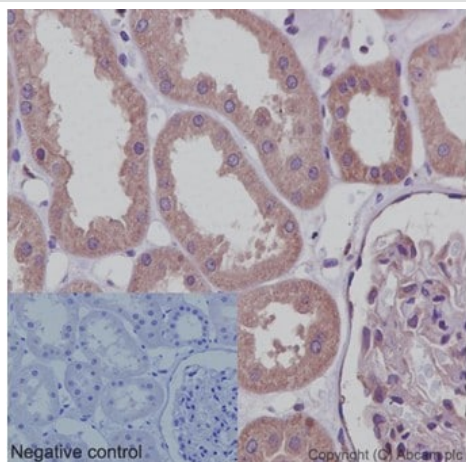
Western blot - Anti-ABCF1 antibody [EPR16068] - C-terminal (ab190798)

Anti-ABCF1 antibody [EPR16068] - C-terminal (ab190798) at 1/50000 dilution + 293T (Human embryonic kidney epithelial cell) cell lysate at 20 µg

Secondary

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

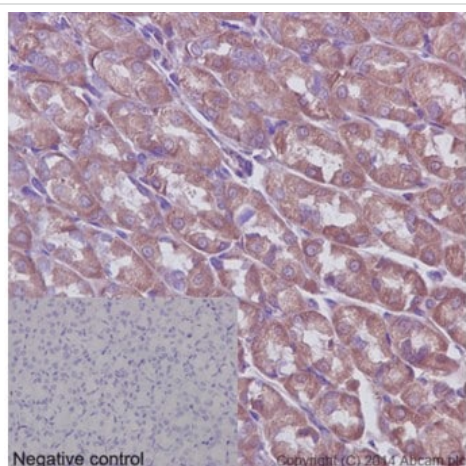
Predicted band size: 96 kDa



Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling ABCF1 with ab190798 at 1/100 dilution. Secondary antibody Goat anti rabbit IgG (HRP) prediluted. Counter stain Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABCF1 antibody [EPR16068] - C-terminal (ab190798)



Immunohistochemical analysis of paraffin-embedded Rat stomach tissue labeling ABCF1 with ab190798 at 1/100 dilution. Secondary antibody Goat anti rabbit IgG (HRP) prediluted. Counter stain Hematoxylin. Negative control also shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABCF1 antibody [EPR16068] - C-terminal (ab190798)

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-ABCF1 antibody [EPR16068] - C-terminal
(ab190798)

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

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