

Product datasheet

Anti-ABCE1 antibody ab32270

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Overview

Product name	Anti-ABCE1 antibody
Description	Rabbit polyclonal to ABCE1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Chicken, Dog, Zebrafish 
Immunogen	Synthetic peptide within Human ABCE1 aa 550 to the C-terminus conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: P61221 (Peptide available as ab32269)
Positive control	HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate A431 (Human epithelial carcinoma cell line) Whole Cell Lysate MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate Testis (Mouse) Tissue Lysate - normal tissue PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

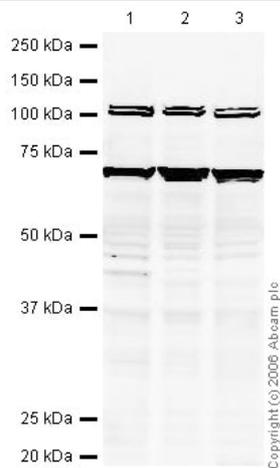
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab32270 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 70 kDa (predicted molecular weight: 67 kDa).

Target

Function	Antagonizes the binding of 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) by RNase L through direct interaction with RNase L and therefore inhibits its endoribonuclease activity. May play a central role in the regulation of mRNA turnover. Antagonizes the anti-viral effect of the interferon-regulated 2-5A/RNase L pathway. May act as a chaperone for post-translational events during HIV-1 capsid assembly.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCE family. Contains 2 4Fe-4S ferredoxin-type domains. Contains 2 ABC transporter domains.
Cellular localization	Cytoplasm. Mitochondrion. Localized to clusters of virus formation at the plasma membrane.

Images



Western blot - Anti-ABCE1 antibody (ab32270)

All lanes : Anti-ABCE1 antibody (ab32270) at 1 $\mu\text{g/ml}$

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : Jurkat whole cell lysate (**ab7899**) at 20 μg

Lane 3 : A-431 whole cell lysate (**ab7909**) at 20 μg

Secondary

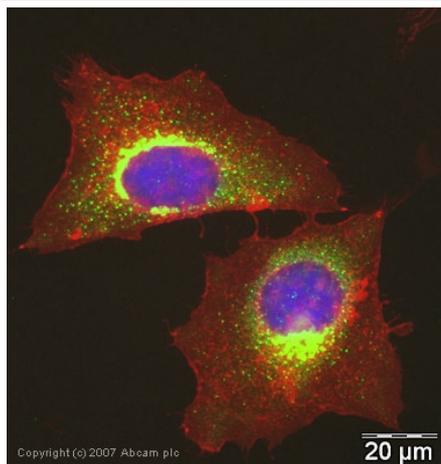
All lanes : Goat polyclonal to Rabbit IgG (Alexa Fluor® 680) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 67 kDa

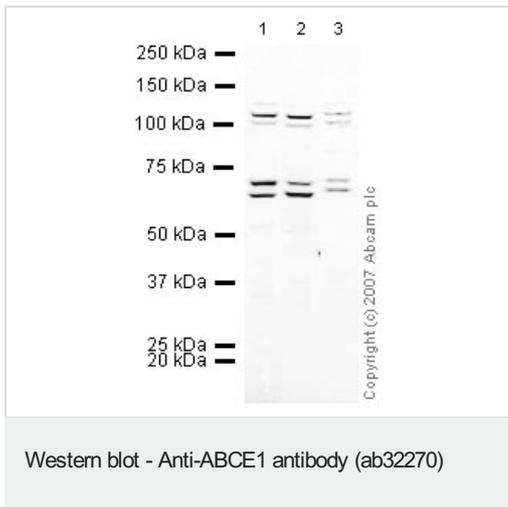
Observed band size: 70 kDa

Additional bands at: 100 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence - Anti-ABCE1 antibody (ab32270)

ICC/IF image of ab32270 stained human HeLa cells. The cells were methanol fixed (5 min), permeabilised in TBS-T (20 min) and incubated with the antibody (ab32270, 1 $\mu\text{g/ml}$) for 1h at room temperature. 1%BSA / 10% normal serum / 0.3M glycine was used to quench autofluorescence and block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).



All lanes : Anti-ABCE1 antibody (ab32270) at 1/250 dilution

Lane 1 : MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lane 2 : Testis (Mouse) Tissue Lysate - normal tissue

Lane 3 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 67 kDa

Observed band size: 67,70 kDa

Additional bands at: 110 kDa. We are unsure as to the identity of these extra bands.

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

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