

Product datasheet

Anti-SRP72 antibody [EPR17143] ab200199

Recombinant RabMAb

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Overview

Product name	Anti-SRP72 antibody [EPR17143]
Description	Rabbit monoclonal [EPR17143] to SRP72
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: K562, HeLa and Jurkat cell lysates; Human fetal brain lysate. ICC/IF: HeLa and Jurkat cells. Flow Cyt (intra): Jurkat 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	EPR17143
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab200199 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. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000. Detects a band of approximately 75 kDa (predicted molecular weight: 75 kDa).

Target

Function

Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. Binds the 7S RNA only in presence of SRP68. This ribonucleoprotein complex might interact directly with the docking protein in the ER membrane and possibly participate in the elongation arrest function.

Involvement in disease

Bone marrow failure, familial

Sequence similarities

Belongs to the SRP72 family.
Contains 5 TPR repeats.

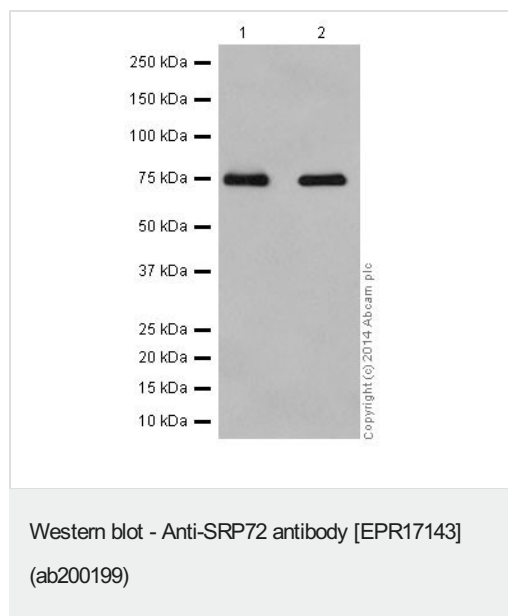
Domain

The C-terminus is essential for the interaction with the SRP68/7S RNA complex.

Cellular localization

Cytoplasm. Endoplasmic reticulum.

Images



All lanes : Anti-SRP72 antibody [EPR17143] (ab200199) at 1/5000 dilution

Lane 1 : K562 (Human chronic myelogenous leukemia cells from bone marrow) cell lysate

Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

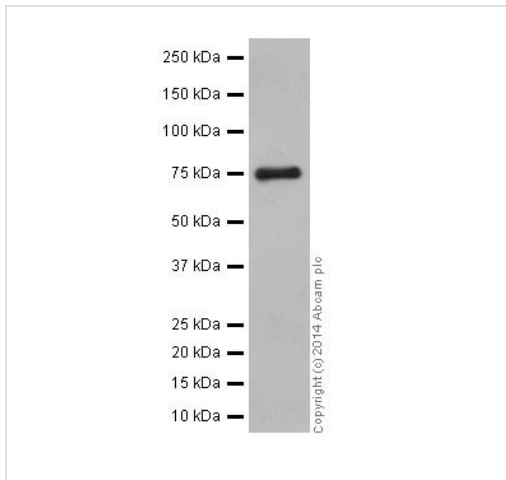
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-SRP72 antibody [EPR17143]
(ab200199)

Anti-SRP72 antibody [EPR17143] (ab200199) at 1/5000 dilution + Jurkat (Human T cell leukemia cells from peripheral blood) cell lysate at 10 μ g

Secondary

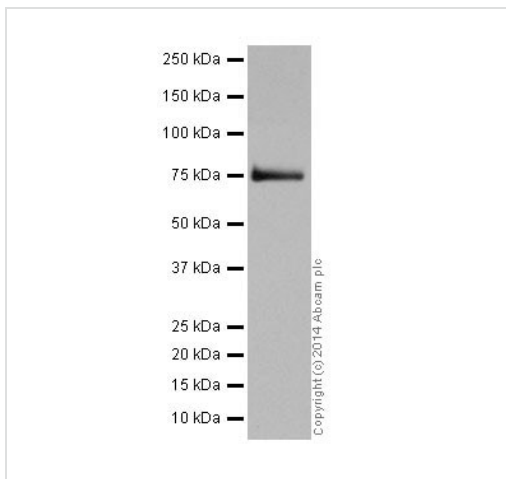
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-SRP72 antibody [EPR17143]
(ab200199)

Anti-SRP72 antibody [EPR17143] (ab200199) at 1/1000 dilution + Human fetal brain lysate at 10 μ g

Secondary

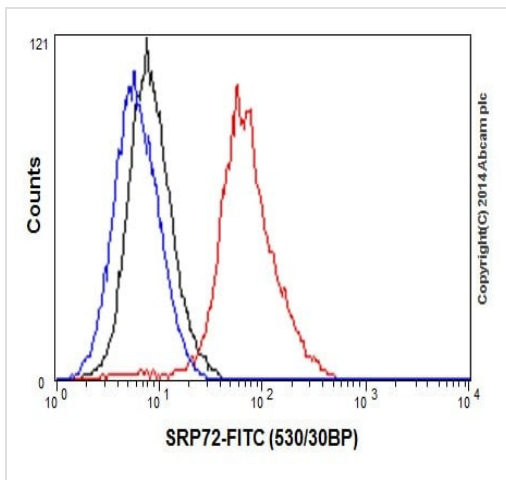
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 1 minute





Blocking/Dilution buffer: 5% NFDm/TBST.



Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling SRP72 with ab200199 at 1/100 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.

Flow Cytometry (Intracellular) - Anti-SRP72 antibody [EPR17143] (ab200199)

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-SRP72 antibody [EPR17143] (ab200199)

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

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