

Product datasheet

Anti-ERp72 antibody [EPR14824(B)] - BSA and Azide free ab251013

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-ERp72 antibody [EPR14824(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR14824(B)] to ERp72 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab251013 is the carrier-free version of ab190348.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14824(B)
Isotype	IgG

Applications

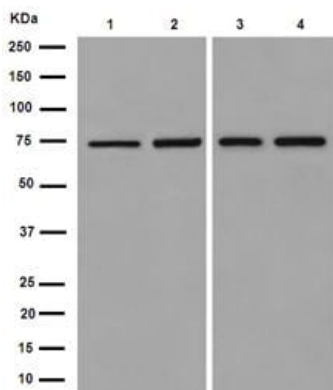
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251013 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 73 kDa (predicted molecular weight: 73 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

Target

Sequence similarities	Belongs to the protein disulfide isomerase family. Contains 3 thioredoxin domains.
Cellular localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



Western blot - Anti-ERp72 antibody [EPR14824(B)] - BSA and Azide free (ab251013)

All lanes : Anti-ERp72 antibody [EPR14824(B)] ([ab190348](#)) at 1/10000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : JAR cell lysate

Lane 3 : Human fetal liver tissue lysate

Lane 4 : MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

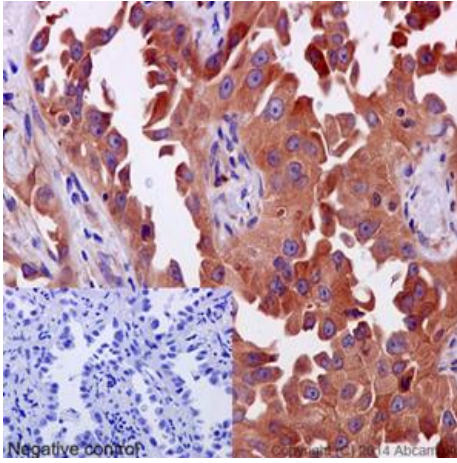
All lanes : goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 73 kDa

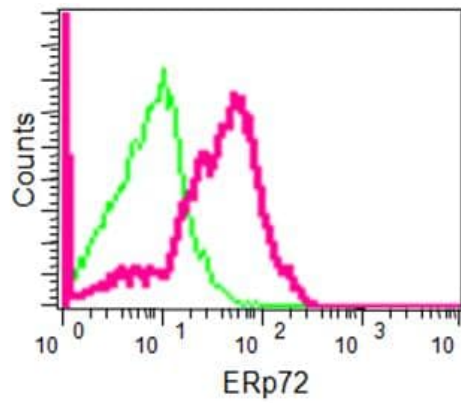
Observed band size: 73 kDa

This data was developed using [ab190348](#), the same antibody clone in a different buffer formulation.



This data was developed using [ab190348](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded, Human lung carcinoma tissue labeling ERp72 with [ab190348](#) at a 1/100 dilution. Counter stained with 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-ERp72 antibody [EPR14824(B)] - BSA and Azide free (ab251013)



This data was developed using [ab190348](#), the same antibody clone in a different buffer formulation.

Intracellular Flow Cytometry analysis of 2% paraformaldehyde-fixed MCF7 cells labeling ERp72 with [ab190348](#) at a 1/50 dilution (pink) or a rabbit IgG isotype control (green), followed by secondary Goat anti rabbit IgG (FITC) at 1/150 dilution.

Flow Cytometry (Intracellular) - Anti-ERp72 antibody [EPR14824(B)] - BSA and Azide free (ab251013)

Why choose a recombinant antibody?

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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-ERp72 antibody [EPR14824(B)] - BSA and Azide free (ab251013)

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

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