


Anti-ERp18 antibody [EPR9024] - BSA and Azide free ab248743

Recombinant RabMAb

4 Images

Overview

Product name	Anti-ERp18 antibody [EPR9024] - BSA and Azide free
Description	Rabbit monoclonal [EPR9024] to ERp18 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248743 is the carrier-free version of ab134938.</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	EPR9024
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248743 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

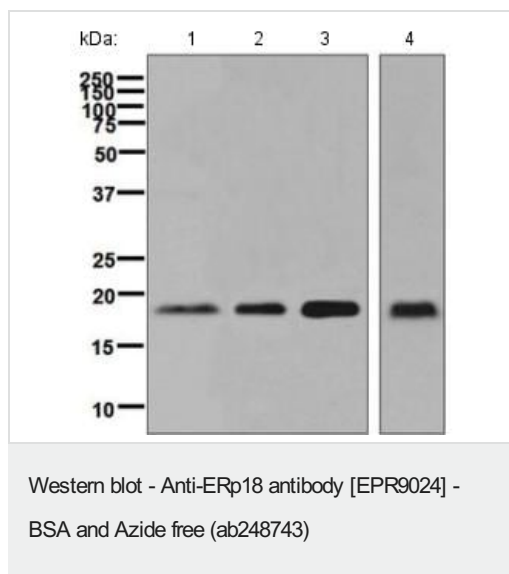
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 19 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For antigen retrieval: heat up to 98 degree C, below boiling, and then let cool for 10-20 min. Use of an HRP/AP polymerized secondary antibody is recommended.

Application notes Is unsuitable for Flow Cyt.

Target

Function	Possesses significant protein thiol-disulfide oxidase activity.
Tissue specificity	Widely expressed.
Sequence similarities	Contains 1 thioredoxin domain.
Cellular localization	Endoplasmic reticulum lumen.

Images



All lanes : Anti-ERp18 antibody [EPR9024] ([ab134938](#)) at 1/1000 dilution

Lane 1 : Human placenta lysate

Lane 2 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : Y79 (Human retinoblastoma cell line) cell lysate

Lysates/proteins at 10 µg per lane.

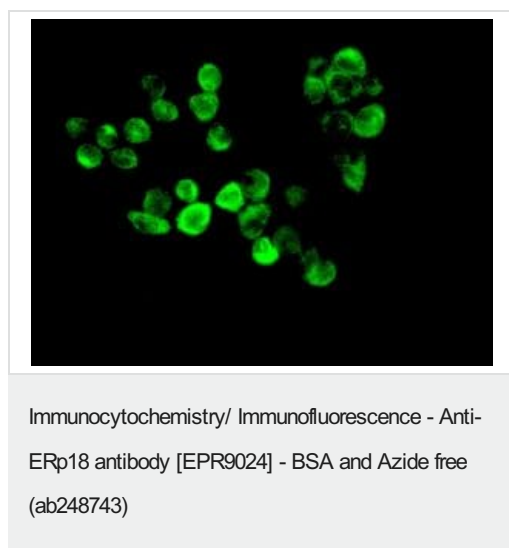
Secondary

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

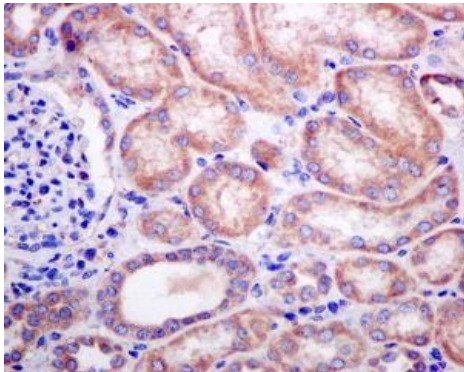
Developed using the ECL technique.

Predicted band size: 19 kDa

This data was developed using [ab134938](#), the same antibody clone in a different buffer formulation.



This data was developed using [ab134938](#), the same antibody clone in a different buffer formulation. Immunofluorescence analysis of HepG2 cells, labelling ERp18 using [ab134938](#) at a 1/250 dilution.



This data was developed using [ab134938](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human kidney tissue, labelling ERp18 using [ab134938](#) at a 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ERp18 antibody [EPR9024] - BSA and Azide free (ab248743)

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-ERp18 antibody [EPR9024] - BSA and Azide free (ab248743)

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

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