

Product datasheet

Anti-GRP94 antibody ab223371

3 Images

Overview

Product name	Anti-GRP94 antibody
Description	Rabbit polyclonal to GRP94
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide corresponding to Mouse GRP94 (C terminal). Corresponding to the sequence near the C-terminus. Database link: P08113
Positive control	WB: Rat brain cell lysate. ICC/IF: Heat shocked HeLa cells.
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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab223371 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		1/120.
WB		1/1000. Detects a band of approximately 94-100 kDa (predicted molecular weight: 93 kDa).

Target

Function

Molecular chaperone that functions in the processing and transport of secreted proteins. Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.

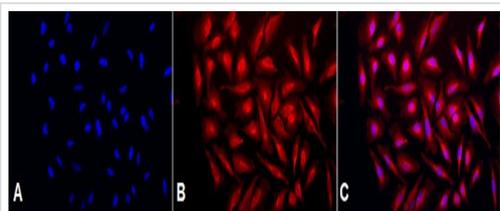
Sequence similarities

Belongs to the heat shock protein 90 family.

Cellular localization

Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

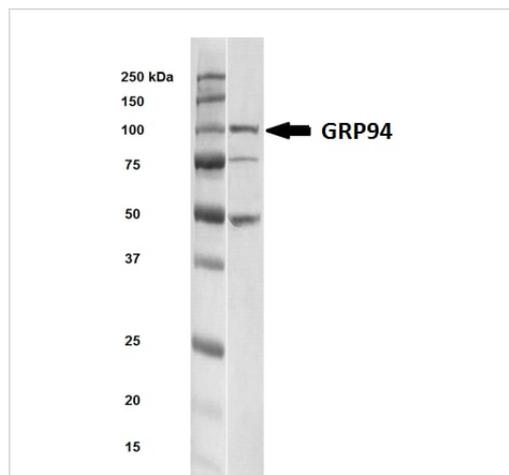
Images



Immunocytochemistry/ Immunofluorescence - Anti-GRP94 antibody (ab223371)

2% formaldehyde-fixed heat shocked HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for GRP94 (red) using ab223371 at 1/120 dilution in ICC/IF. Secondary Antibody: Goat Anti-Rabbit APC at 1/200 for 2 hours at room temperature. Counterstain: DAPI (blue) nuclear stain at 1/40000 for 2 hours at room temperature.

(A) DAPI nuclear stain (B) ab223371 (C) Merge.



Western blot - Anti-GRP94 antibody (ab223371)

Anti-GRP94 antibody (ab223371) at 1/250 dilution + Rat brain cell lysate at 20 μ g

Predicted band size: 93 kDa

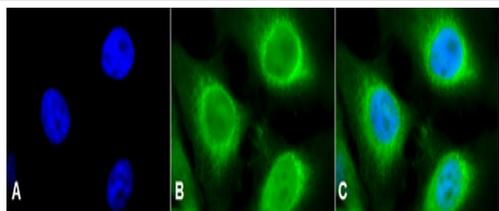
Observed band size: 50,75,94-100 kDa

Exposure time: 5 minutes

Blocking buffer: 5% milk in TBST.

Color Development: TMB solution.

Primary antibody was incubated for 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence - Anti-GRP94 antibody (ab223371)

2% formaldehyde-fixed heat shocked HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for GRP94 (green) using ab223371 at 1/120 dilution in ICC/IF. Secondary Antibody: Goat Anti-Rabbit FITC at 1/200 for 2 hours at room temperature. Counterstain: DAPI (blue) nuclear stain at 1/40000 for 2 hours at room temperature.

(A) DAPI nuclear stain (B) ab223371 (C) Merge.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors