


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.

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: 7.4 Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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.

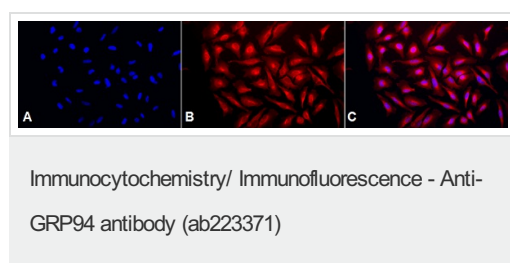
Application	Abreviews	Notes
ICC/IF		1/120.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 94-100 kDa (predicted molecular weight: 93 kDa).

Target

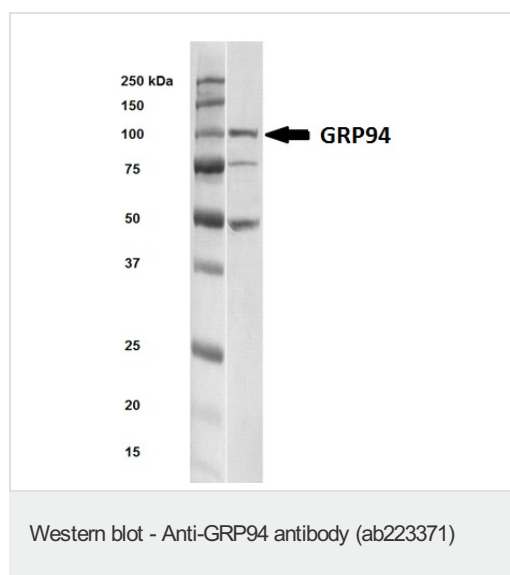
Function	Molecular chaperone that functions in the processing and transport of secreted proteins. Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.
Sequence similarities	Belongs to the heat shock protein 90 family.
Cellular localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



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.



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

Predicted band size: 93 kDa

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

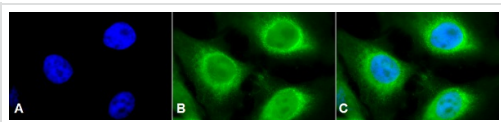
[why is the actual band size different from the predicted?](#)

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"

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