abcam

Product datasheet

Anti-GRP94 antibody [9G10] ab2791

24 References　画像数 8

製品の概要

製品名	Anti-GRP94 antibody [9G10]
製品の詳細	Rat monoclonal [9G10] to GRP94
由来種	Rat
アプリケーション	**適用あり:** WB, ICC/IF, ICC, IHC-P, IP
種交差性	**交差種:** Mouse, Rat, Chicken, Hamster, Cow, Human, Pig **交差が予測される動物種:** Sheep, Rabbit, Dog, Xenopus laevis, Drosophila melanogaster, Non human primates
免疫原	Full length protein corresponding to Chicken GRP94. Chick oviduct GRP94.
特記事項	**Abcam is committed to meeting high quality standards of ethical manufacturing and has decided to discontinue this product by June 2020 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We suggest ab238126 or ab13509 as possible replacements.**

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Ascites
ポリ/モノ	モノクローナル
クローン名	9G10
アイソタイプ	IgG2a

アプリケーション

The Abpromise guarantee　Abpromise保証は、次のテスト済みアプリケーションにおけるab2791の使用に適用されます

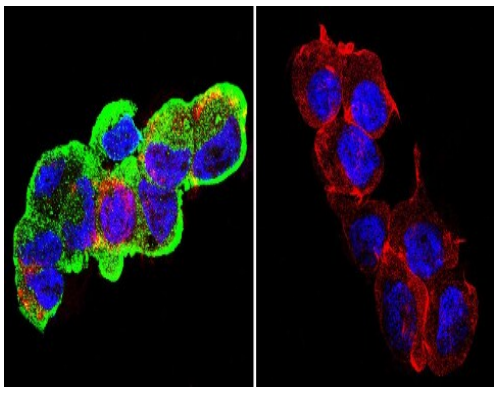
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/5000.
ICC/IF		1/250.
ICC		1/250.
IHC-P		1/200.
IP		Use at an assay dependent concentration.

ターゲット情報

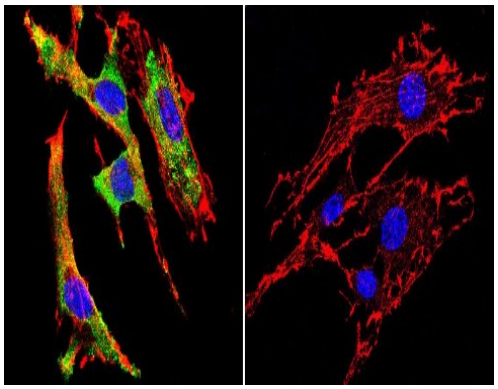
機能	Molecular chaperone that functions in the processing and transport of secreted proteins. Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.
配列類似性	Belongs to the heat shock protein 90 family.
細胞内局在	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

画像



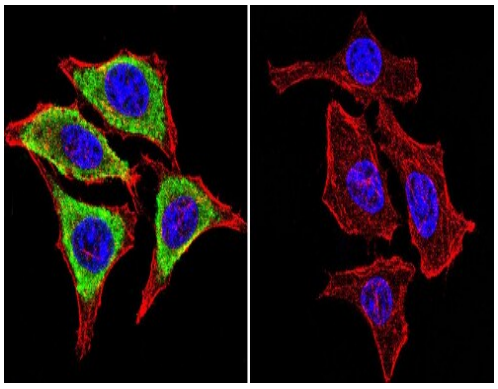
Immunocytochemistry/ Immunofluorescence - Anti-GRP94 antibody [9G10] (ab2791)

Immunocytochemistry/Immunofluorescence analysis of GRP94 shows staining in C6 cells. GRP94 (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2791 (1:100) overnight at 4ºC, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



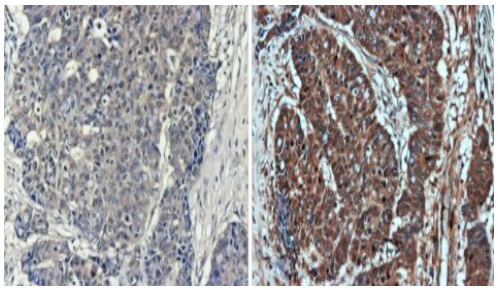
Immunocytochemistry/ Immunofluorescence - Anti-GRP94 antibody [9G10] (ab2791)

Immunocytochemistry/Immunofluorescence analysis of GRP94 shows staining in HeLa cells. GRP94 (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2791 (1:100) overnight at 4ºC, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



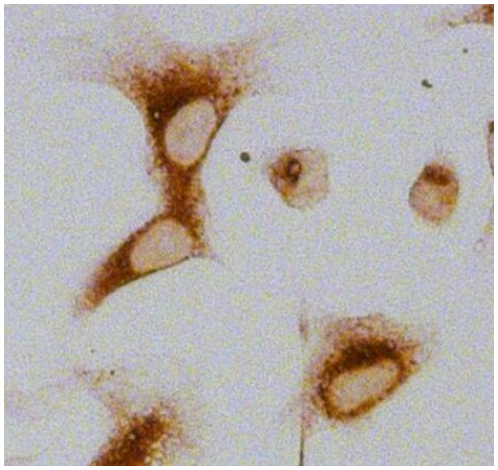
Immunocytochemistry/ Immunofluorescence - Anti-GRP94 antibody [9G10] (ab2791)

Immunocytochemistry/Immunofluorescence analysis of GRP94 shows staining in NIH-3T3 cells. GRP94 (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2791 (1:20) overnight at 4ºC, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



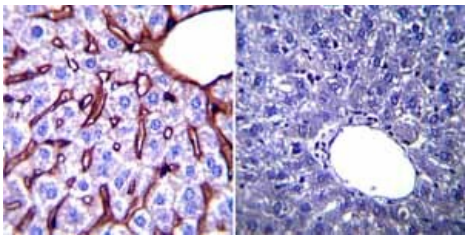
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP94 antibody [9G10] (ab2791)

ab2791 labelling GRP94 in Human colon adenocarcinoma tissue sections by Immunohistochemistry (formalin/PFA-fixed paraffin-embedded sections). To expose target proteins, heat-induced epitope retrieval was performed using 10mM sodium citrate (pH 6.0) buffer for 20 minutes at 95ºC. Following antigen retrieval, tissues were blocked in 3% BSA in PBST for 30 minutes at room temperature. Tissue sections were incubated with the primary antibody (1:100) for 1 hour (right panel). Negative control - left panel. Endogenous peroxidase activity quenched with Peroxidase Suppressor for 30 minutes at room temperature. A HRP-conjugated Goat anti-rat IgG was used as the secondary antibody (1:500), followed by colorimetric detection using Metal Enhanced DAB Substrate Kit. Tissues were counterstained with hematoxylin and prepped for mouting. Images were taken at 40X magnification.



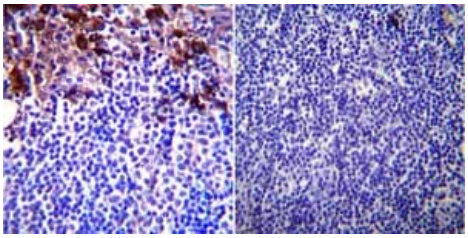
Immunocytochemistry - Anti-GRP94 antibody [9G10] (ab2791)

ab2791 labelling Grp94 in U2OS cells bu immunocytochemistry. Cells fixed with 4% paraformaldehyde were permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature and blocked with 2% BSA in PBST for 30 minutes at room temperature. Cells were treated with Peroxidase Suppressor, and incubated with the primary antibody (1:100) for 1 hour at room temperature. A HRP-conjugated Goat anti-rat IgG (H+L) was used as the secondary antibody (1:1000 for 30 minutes at room temperature). Chromogenic detection was performed using Metal Enhanced DAB Substrate Kit. Images were taken on a Zeiss Axio Observer microscope at 20X magnification (x1.6 Optovar ~ 32X).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP94 antibody [9G10] (ab2791)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse liver tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Glucose Regulated Protein 94 ab2791 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP94 antibody [9G10] (ab2791)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse lymph node. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Glucose Regulated Protein 94 ab2791 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was

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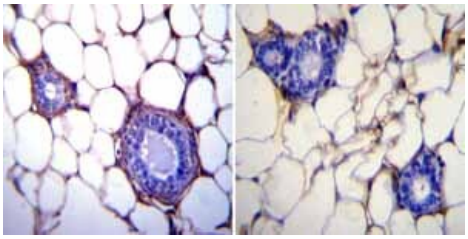

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP94 antibody [9G10] (ab2791)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse breast tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Glucose Regulated Protein 94 ab2791 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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