abcam

Product datasheet

Anti-GRP94 antibody [9G10] ab90458

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概述

产品名称	Anti-GRP94抗体[9G10]
描述	大鼠单克隆抗体[9G10] to GRP94
宿主	Rat
经测试应用	**适用于:** WB, IP, Flow Cyt, IHC-P, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Sheep, Rabbit, Chicken, Guinea pig, Hamster, Cow, Dog, Human, Pig, Xenopus laevis, Monkey
免疫原	Native chicken GRP94 protein
阳性对照	Recombinant GRP94 protein HeLa, Heat shocked HeLa, Mouse liver or Vero cell lysate IHC-P: human pancreas FFPE tissue sections IF/ICC: HeLa cell line.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol
纯度	Protein G purified
克隆	单克隆
克隆编号	9G10
同种型	IgG2a

应用

The Abpromise guarantee Abpromise™承诺保证使用ab90458于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

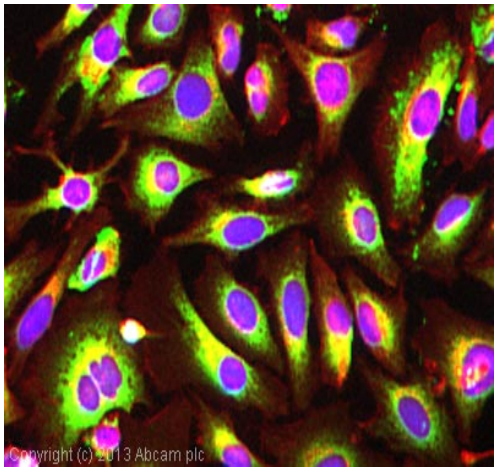
应用	Ab评论	说明
WB	(1)	1/1000. Predicted molecular weight: 92 kDa.

应用	Ab评论	说明
IP		1/100.
Flow Cyt		1/100. **ab18450** - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 5 µg/ml.

靶标

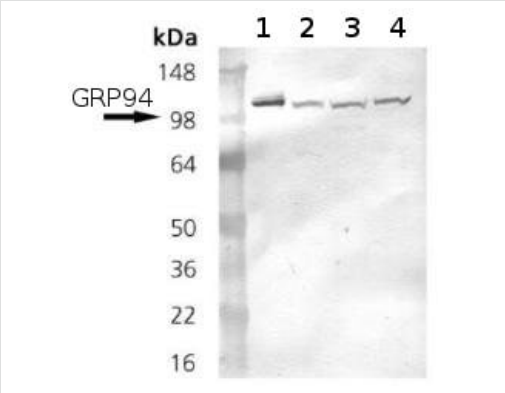
功能	Molecular chaperone that functions in the processing and transport of secreted proteins. Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.
序列相似性	Belongs to the heat shock protein 90 family.
细胞定位	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



Immunocytochemistry/ Immunofluorescence - Anti-GRP94 antibody [9G10] (ab90458)

ICC/IF image of ab90458 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab90458, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96887**, DyLight® 488 goat anti-rat IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM



Western blot - Anti-GRP94 antibody [9G10] (ab90458)

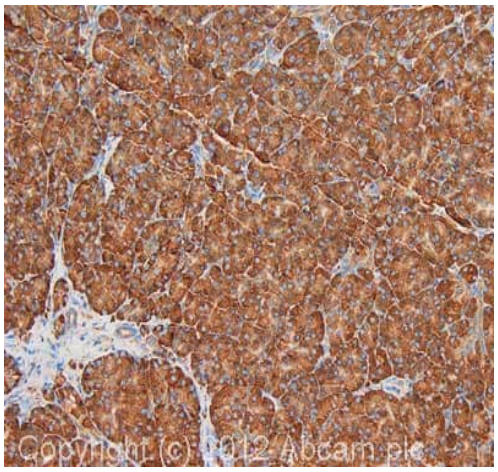
All lanes : Anti-GRP94 antibody [9G10] (ab90458) at 1/1000 dilution

Lane 1 : GRP94 recombinant protein at 0.1 µg
Lane 2 : HeLa cell lysate at 20 µg
Lane 3 : Mouse liver lysate at 20 µg
Lane 4 : Vero cell lysate at 20 µg

Predicted band size: 92 kDa

Flow Cytometry-Anti-GRP94 antibody [9G10] (ab90458)

Overlay histogram showing HeLa cells stained with ab90458 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab90458, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-rat IgG (H+L) (**ab98386**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was rat IgG2a [aRTK2758] (**ab18450**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRP94 antibody [9G10] (ab90458)

IHC image of GRP94 staining in human pancreas formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab90458, 5µg/ml, for 15 mins at room temperature. A goat anti-rat biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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