

Datasheet for ABIN6940802

anti-GRP94 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	GRP94 (HSP90B1)
Reactivity:	Human, Mouse, Rat, Cow, Chicken, Hamster, Dog, Rabbit, Pig, Guinea Pig, Monkey, Sheep, Horse, Xenopus laevis
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This GRP94 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Purified glucose regulated protein 94 (grp94) from chicken oviducts
Clone:	9G10-F8-2
Isotype:	IgG2a kappa
Specificity:	Recognizes a protein of 94 kDa, which is identified as the glucose-regulated protein 94 (grp94) and also tumor rejection antigen (gp96). Grp94 shows a high degree of sequence homology with the heat shock protein 90 (hsp90). This MAb is highly specific to grp94 and shows minimal cross-reaction with other members of the HSP90 family. Grp's are a class of proteins unresponsive to heat shock and are induced by glucose deprivation. Grp94 has been briefly studied as a prognostic factor in breast cancer.
Purification:	Purified by Protein A/G

Target Details

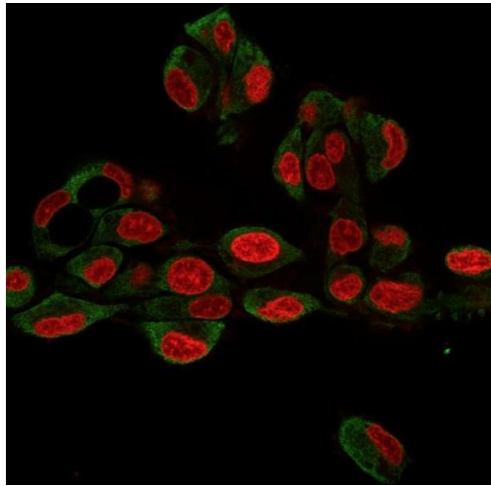
Target:	GRP94 (HSP90B1)
Alternative Name:	HSP90B1 (HSP90B1 Products)
Molecular Weight:	94kDa
Gene ID:	7184
UniProt:	P14625
Pathways:	Thyroid Hormone Synthesis , Activation of Innate immune Response , ER-Nucleus Signaling , Toll-Like Receptors Cascades

Application Details

Application Notes:	Positive Control: HepG2, U2OS cells. About 50 % of breast tumors express grp94 protein. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

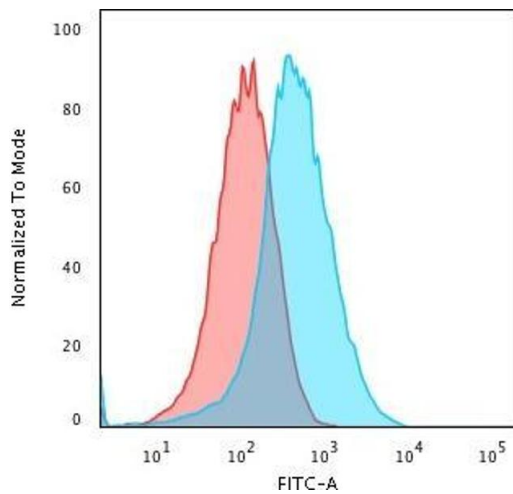
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



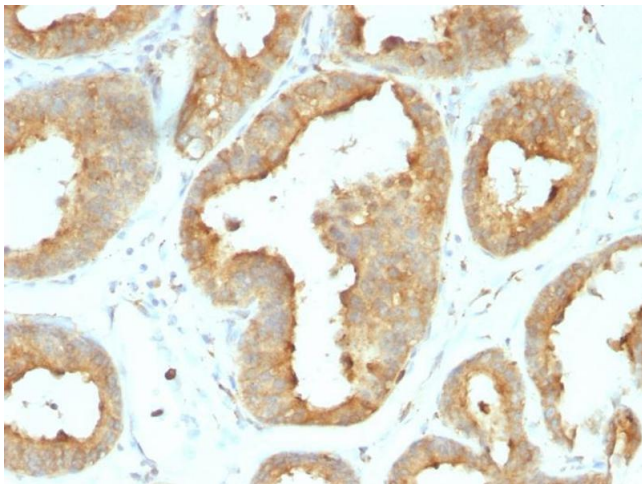
Immunofluorescence

Image 1. Immunofluorescence Analysis of HePG2 cells labeling GRP94 with GRP94 Rat Monoclonal Antibody (9G10.F8.2) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot.(Red).



Flow Cytometry

Image 2. Flow Cytometric Analysis of PFA-fixed HePG2 cells using GRP94 Rat Monoclonal Antibody (9G10.F8.2) followed by Goat anti-Rat- IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with GRP94 Rat Monoclonal Antibody (9G10.F8.2).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940802.