

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-3311: Anti-GRP94 / HSP90B1 (Endoplasmic Reticulum Marker) Monoclonal Antibody(Clone: HSP90B1/3168R)

Clone Name: Monoclonal HSP90B1/3168R

Application: FACS,IHC

Reactivity: Human, Rat, Mouse

 Gene :
 HSP90B1

 Gene ID :
 7184

 Uniprot ID :
 P14625

Glucose Regulated Protein 94; 94kDa glucose-regulated protein, Endoplasmin, Endothelial cell

Alternative Name: (HBMEC) glycoprotein (ECGP), Heat shock protein 90kDa beta member 1 (HSP90B1), Stress

inducible tumor rejection antigen GP96, TRA1, Tumor rejection antigen-1 (gp96)

Isotype: Rabbit IgG

Immunogen Information: Recombinant full-length human HSP90B1 protein

Description

Recognizes a protein of 94kDa, 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.

Product Info

Amount: 20 μg / 100 μg

Content: 200 μg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage condition : 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.

Application Note

Flow Cytometry (1-2ug/million cells);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

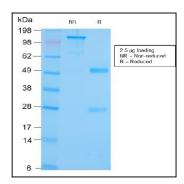


Fig. 1: SDS-PAGE Analysis Purified GRP94 Recombinant Rabbit Monoclonal (HSP90B1/3168R). Confirmation of Purity and Integrity of Antibody.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

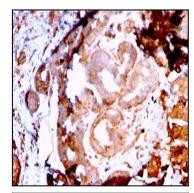


Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with GRP94 Recombinant Rabbit Monoclonal Antibody (HSP90B1/3168R).

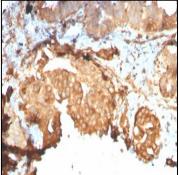


Fig. 3: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with GRP94 Recombinant Rabbit Monoclonal Antibody (HSP90B1/3168R).

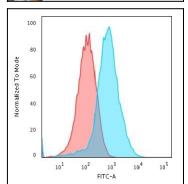


Fig. 4: Flow Cytometric Analysis of PFA-fixed HePG2 cells using GRP94 Recombinant Rabbit Monoclonal Antibody (HSP90B1/3168R) followed by Goat anti-Rat- lgG-CF488 (Blue); Isotype Control (Red).