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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-GRP170 Antibody [6E3-2C3]

Mouse Anti-Human GRP170 Monoclonal IgG2bK
Catalog No. SMC-232



Discovery through partnership | Excellence through quality

Overview

Product Name

GRP170 Antibody

Description

Mouse Anti-Human GRP170 Monoclonal IgG2bK

Species Reactivity

Human, Mouse, Rat

Applications

WB, ICC/IF

Antibody Dilution

WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Raised against a synthetic peptide of human GRP170

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.1% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

6E3-2C3

Isotype

IgG2b

Specificity

Detects ~170kDa.

Cite This Product

Mouse Anti-Human GRP170 Monoclonal, Clone 6E3-2C3 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-232)

Certificate Of Analysis

1 µg/ml of SMC-232 was sufficient for detection of GRP170 in 20 µg of HEK293 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

ORP150 Antibody, HSP12A Antibody, Hypoxia up regulated 1 Antibody, Orp150 Antibody, Glucose regulated Antibody 170 Antibody, 150kDa oxygen regulated Antibody Antibody

Research Areas

Cancer, Heat Shock, Cardiovascular System, Epigenetics, Neurodegeneration, Neuroscience, Trafficking

Cellular Localization

Endoplasmic Reticulum, Endoplasmic reticulum lumen

Accession Number

NP_006389.3

Gene ID

10525

Swiss Prot

Q9Y4L1

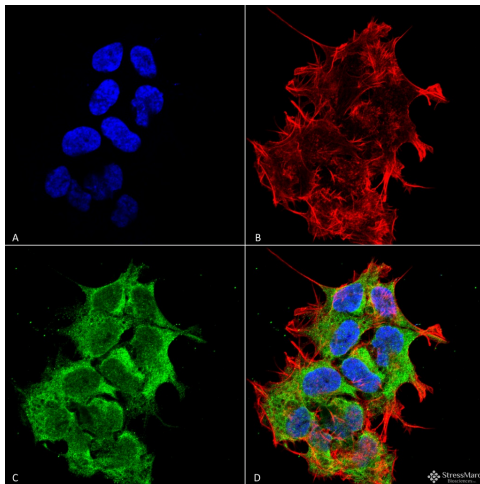
Scientific Background

GRP170, also known as ORP150, is the largest member of glucose-regulated Antibodys, and acts as a human chaperone Antibody. It is thought to play an important role in Antibody folding and secretion in the ER. Suppression of the Antibody is associated with accelerated apoptosis, therefore having an important cryoprotective role in hypoxia-induced cellular perturbation. This cryoprotective role has led to an anti-tumor immune response, which will hopefully lead to therapeutic immunizations against cancers (1). GRP170 has also been shown to bind with dendritic cells and provide the danger signals to induce anti-tumor immune responses (2).

References

1. Wang H., et al. (2014) Front Oncol. 4: 377.

Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GRP170 Monoclonal Antibody, Clone 6E3-2C3 (SMC-232). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GRP170 Monoclonal Antibody (SMC-232) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Endoplasmic Reticulum, Endoplasmic Reticulum Lumen. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) GRP170 Antibody (D) Composite.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.