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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Alpha 2C Adrenergic Receptor Antibody [S330A-80]

Mouse Anti-Human Alpha 2C Adrenergic Receptor
Monoclonal IgG1
Catalog No. SMC-435



Discovery through partnership | Excellence through quality

Overview

Product Name

Alpha 2C Adrenergic Receptor Antibody

Description

Mouse Anti-Human Alpha 2C Adrenergic Receptor Monoclonal IgG1

Species Reactivity

Human, Mouse

Applications

WB, ICC/IF

Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Synthetic peptide amino acids 442- 462 (QDFRRSFKHILFRRRRRGFRQ, cytoplasmic C-terminus) of human Alpha-2C adrenergic receptor

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, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S330A-80

Isotype

IgG1

Specificity

Detects ~50kDa or larger (possibly due to dimerization). Does not cross-react with other adrenergic receptors.

Cite This Product

Mouse Anti-Human Alpha 2C Adrenergic Monoclonal, Clone S330A-80 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-435)

Certificate Of Analysis

1 µg/ml of SMC-435 was sufficient for detection of Alpha2C Adrenergic Receptor in 20 µg of COS cells transiently transfected with HA-tagged Alpha- lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Adra 2c Antibody, Alpha-2CAR Antibody, ADRA2C Antibody, ADRA2L2 Antibody, ADRARL2 Antibody, Alpha 2CAR Antibody, alpha2 AR C4 Antibody, alpha2 C4 Antibody, alpha2C Antibody, ALPHA2CAR Antibody, Alpha-2 adrenergic receptor subtype C4 Antibody, Alpha-2C adrenoreceptor Antibody, Adrenergic alpha 2C receptor Antibody, Alpha 2C adrenergic receptor Antibody, Alpha 2C adrenergic receptor subtype C4 Antibody, Alpha 2C adrenoceptor Antibody, Alpha 2C adrenoreceptor Antibody, Alpha-2-adrenergic receptor Antibody, renal type Antibody, alpha2cii-adrenergic receptor Antibody, Subtype alpha2 C4 Antibody

Research Areas

Alpha-2 Adrenergic Receptors, Cell Signaling, Neuroscience, Neurotransmitter Receptors

Cellular Localization

Cell membrane

Accession Number

NP_000674.2

Gene ID

152

Swiss Prot

P18825

Scientific Background

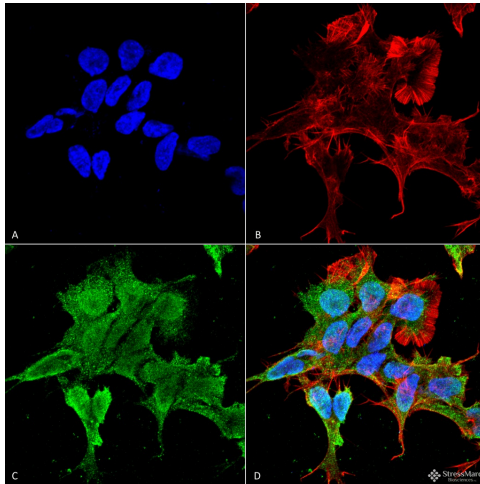
The alpha 2C Adrenergic Receptor controls the release of neurotransmitter from central adrenergic neurons and from sympathetic

nerves in the heart. This receptor also plays a role in cognitive and behavioral function. Two variants are produced by alternative splicing. Alpha 2C Adrenergic Receptor has been reported extensively in the brain. Blood, corpus cavernosum, kidney, and heart tissues have also been reported to express the protein.

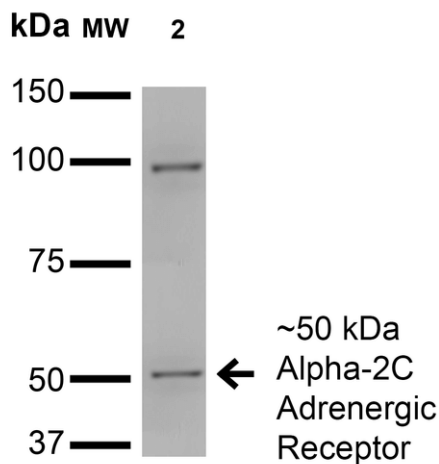
References

1. Filipeanu C.M., et al. (2011) *Biochim Biophys Acta*. 1813: 346-357.
2. Powe D.G., et al. (2011) *Breast Cancer Res Treat*. 130: 457-463.

Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Alpha-2C Adrenergic Receptor Monoclonal Antibody, Clone S330A-80 (SMC-435). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Alpha-2C Adrenergic Receptor Monoclonal Antibody (SMC-435) 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 60min RT, 5min RT. Localization: Cell Membrane, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Alpha-2C Adrenergic Receptor Antibody (D) Composite.



Western Blot analysis of Monkey COS cells transfected with HA-tagged Alpha-2C showing detection of ~50 kDa Alpha-2C Adrenergic Receptor protein using Mouse Anti-Alpha-2C Adrenergic Receptor Monoclonal Antibody, Clone S330A-80 (SMC-435). Lane 1: Molecular Weight Ladder. Lane 2: Monkey COS cells transfected with HA-tagged Alpha-2C. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Alpha-2C Adrenergic Receptor Monoclonal Antibody (SMC-435) at 1:200 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~50 kDa.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.