

Alpha-2C Adrenergic Receptor Antibody
Alpha2C Adrenergic Antibody, Clone S330A-80
Catalog # ASM10269

Specification

Alpha-2C Adrenergic Receptor Antibody - Product Information

Application	WB, ICC
Primary Accession	P18825
Other Accession	NP_000674.2
Host	Mouse
Isotype	IgG1
Reactivity	Human, Mouse
Clonality	Monoclonal

Description

Mouse Anti-Human Alpha-2C Adrenergic Receptor Monoclonal IgG1

Target/Specificity

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

Other 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

Immunogen

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

Purification

Protein G Purified

Storage

-20°C

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Shipping Temperature

Blue Ice or 4°C

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.

Cellular Localization

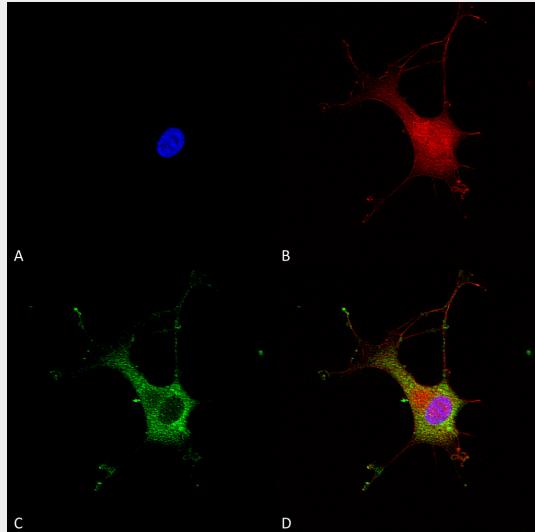
Cell Membrane

Alpha-2C Adrenergic Receptor Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Alpha-2C Adrenergic Receptor Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Alpha-2C Adrenergic Receptor Monoclonal Antibody, Clone N330A/80 (ASM10269). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Alpha-2C Adrenergic Receptor Monoclonal Antibody (ASM10269) at 1:100 for overnight at 4°C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Alpha-2C Adrenergic Receptor Antibody (D) Composite.

Alpha-2C Adrenergic Receptor Antibody - 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.

Alpha-2C Adrenergic Receptor Antibody - 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.