

Product Datasheet

Anti-Alpha-2C Adrenergic Receptor Antibody FL490 Conjugate

NeuroMab



KO Validated

Overview

Catalog #	75-302-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N330A/80
Size	200 μ L
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human and Mouse
Immunogen	Synthetic peptide amino acids 442-462 (QDFRRSFKHILFRRRRRGFRQ, cytoplasmic C-terminus) of human Alpha-2C adrenergic receptor (accession number P18825)
Molecular Weight	50 kDa and larger (possibly due to dimerization)
Cite this Antibody	Antibodies Inc Cat# 75-302-FL490, RRID: AB_2940056

Details

Target Description	α -2C adrenergic receptor or α -2 Adrenergic Receptor Subtype C4 is encoded by the gene ADRA2C. It belongs to the Adrenergic receptor subfamily of G-protein coupled receptors. α -2C adrenergic receptors mediate catecholamine-induced inhibition of adenylate cyclase by the action of G proteins. α -2C adrenergic is involved in the regulation of neurotransmitter release from sympathetic nerves and adrenergic neurons. α -2C adrenergic receptors are expressed in brain, kidney and heart. Diseases associated with ADRA2C include Raynaud Phenomenon.
Specificity	Does not cross-react with other adrenergic receptors (based on KO validation results)
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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