

alpha 1a Adrenergic Receptor Rabbit mAb

Catalog # AP75059

Specification

alpha 1a Adrenergic Receptor Rabbit mAb - Product Information

Application WB, IHC-P
Primary Accession P35348
Reactivity Rat
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 51487

alpha 1a Adrenergic Receptor Rabbit mAb - Additional Information

Gene ID 148

Other Names ADRA1A

DilutionWB~~1/500-1/1000
IHC-P~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

alpha 1a Adrenergic Receptor Rabbit mAb - Protein Information

Name ADRA1A

Synonyms ADRA1C

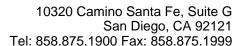
Function

This alpha-adrenergic receptor mediates its action by association with G proteins that activate a phosphatidylinositol- calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. Nuclear ADRA1A-ADRA1B heterooligomers regulate phenylephrine(PE)-stimulated ERK signaling in cardiac myocytes.

Cellular Location

Nucleus membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasm Membrane, caveola. Note=Location at the nuclear membrane facilitates heterooligomerization and regulates ERK- mediated signaling in cardiac myocytes. Colocalizes with GNAQ, PLCB1 as well as LAP2 at the nuclear membrane of cardiac myocytes

Tissue Location





Expressed in heart, brain, liver and prostate, but not in kidney, lung, adrenal, aorta and pituitary. Within the prostate, expressed in the apex, base, periurethral and lateral lobe. Isoform 4 is the most abundant isoform expressed in the prostate with high levels also detected in liver and heart.

alpha 1a Adrenergic Receptor Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

alpha 1a Adrenergic Receptor Rabbit mAb - Images

