

ADRA1A Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10313

Specification

ADRA1A Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	P35348
Reactivity	Human, Mouse, Rabbit, Hamster, Monkey, Pig, Sheep, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

ADRA1A Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 148

Other Names

Alpha-1A adrenergic receptor, Alpha-1A adrenoreceptor, Alpha-1A adrenoceptor, Alpha-1C adrenergic receptor, Alpha-adrenergic receptor 1c, ADRA1A, ADRA1C

Target/Specificity

Human ADRA1A. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

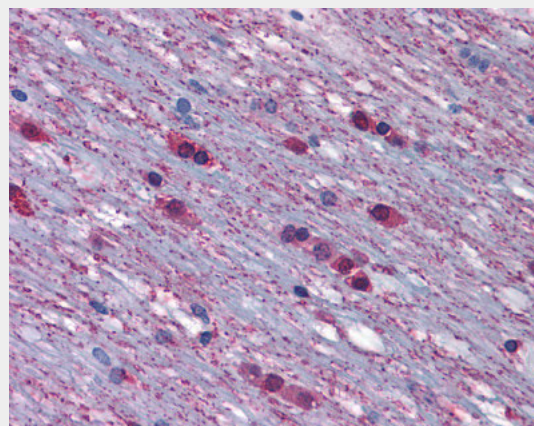
Precautions

ADRA1A Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

ADRA1A Antibody (Cytoplasmic Domain) - Protein Information

Name ADRA1A

Synonyms ADRA1C



Anti-ADRA1A antibody ALS10313 IHC of human brain.

ADRA1A Antibody (Cytoplasmic Domain) - Background

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.

ADRA1A Antibody (Cytoplasmic Domain) - References

Hirasawa A.,et al.Biochem. Biophys. Res. Commun. 195:902-909(1993).
Weinberg D.H.,et al.Biochem. Biophys. Res. Commun. 201:1296-1304(1994).
Forray C.,et al.Mol. Pharmacol. 45:703-708(1994).
Tseng-Crank J.,et al.Br. J. Pharmacol. 115:1475-1485(1995).
Hirasawa A.,et al.FEBS Lett. 363:256-260(1995).

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.

Volume

50 µl

ADRA1A Antibody (Cytoplasmic Domain) - 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](#)