

ADRA1A Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13133**Specification**

ADRA1A Antibody - Product Information

Application	WB
Primary Accession	P35348
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

ADRA1A Antibody - 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 Adrenergic receptor alpha 1a.

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

ADRA1A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ADRA1A Antibody - 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.

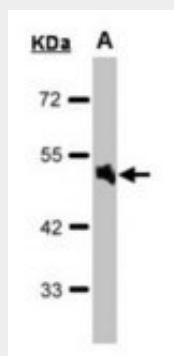
Volume

50 µl

ADRA1A 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](#)

ADRA1A Antibody - Images

Sample(30 g of whole cell lysate). A: Raji. 10% SDS PAGE. ADRA1A antibody diluted at 1:1000.

ADRA1A Antibody - Background

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ADRA1A Antibody - References

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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).