

Alpha-1B Adrenergic Receptor Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51942**Specification**

Alpha-1B Adrenergic Receptor Antibody - Product Information

Application	WB, E
Primary Accession	P35368
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59 KDa

Alpha-1B Adrenergic Receptor Antibody - Additional Information**Gene ID** 147**Other Names**

Alpha-1B adrenergic receptor, Alpha-1B adrenoreceptor, Alpha-1B adrenoceptor, ADRA1B

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Alpha-1B Adrenergic Receptor Antibody - Protein Information**Name** ADRA1B**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. signaling in cardiac myocytes Colocalizes with GNAQ, PLCB1 as well as LAP2 at the nuclear membrane of cardiac myocytes

Alpha-1B 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-1B Adrenergic Receptor Antibody - Images

Alpha-1B Adrenergic Receptor Antibody - Background

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Alpha-1B Adrenergic Receptor Antibody - References

Ramarao C.S.,et al.J. Biol. Chem. 267:21936-21945(1992).
Forray C.,et al.Mol. Pharmacol. 45:703-708(1994).
Schwinn D.A.,et al.J. Pharmacol. Exp. Ther. 272:134-142(1995).
Wright C.D.,et al.Circ. Res. 103:992-1000(2008).
Wright C.D.,et al.Cell. Signal. 24:794-802(2012).