

# Alpha-1B Adrenergic Receptor Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51942

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB                     |
| <b>Primary Accession</b> | <a href="#">P35368</a> |
| <b>Reactivity</b>        | Human, Rat             |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Calculated MW</b>     | 56836                  |

## Additional Information

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| <b>Gene ID</b>     | 147  |
| <b>Other Names</b> | Alpha-1B adrenergic receptor, Alpha-1B adrenoreceptor, Alpha-1B adrenoceptor, ADRA1B |
| <b>Dilution</b>    | WB~~1:1000   |
| <b>Format</b>      | 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%                            |
| <b>Storage</b>     | Store at -20 °C.Stable for 12 months from date of receipt                            |

## Protein Information

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|--------------------------|--|
| <b>Name</b>              | ADRA1B   |
| <b>Function</b>          | 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.  |
| <b>Cellular Location</b> | 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 |

## Background

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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.

## References

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Schwinn D.A.,et al.J. Pharmacol. Exp. Ther. 272:134-142(1995).  
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.