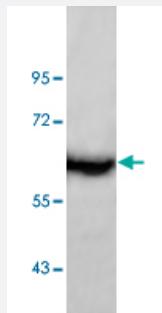


# ADRA1B polyclonal antibody

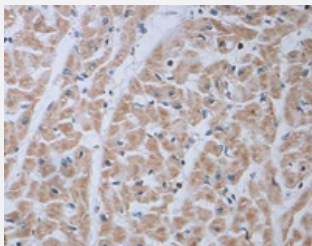
Catalog # PAB19804      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of human fetal brain tissue lysate with ADRA1B polyclonal antibody (Cat # PAB19804) at 1:500 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human heart showing staining with ADRA1B polyclonal antibody (Cat # PAB19804) at 1:100 dilution.

## Specification

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of ADRA1B.             |
| <b>Immunogen</b>           | A synthetic peptide corresponding to 15 amino acids at C-terminus of human ADRA1B. |
| <b>Host</b>                | Rabbit                                                                             |
| <b>Reactivity</b>          | Human                                                                              |
| <b>Form</b>                | Liquid                                                                             |
| <b>Purification</b>        | Peptide affinity purification                                                      |

|                            |                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | ELISA (1:1000-1:10000)<br>Western Blot (1:200-1000)<br>Immunohistochemistry (1:100-500.)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In serum (0.02% sodium azide)                                                                                                                                  |
| <b>Storage Instruction</b> | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                        |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                         |

## Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human heart showing staining with ADRA1B polyclonal antibody (Cat # PAB19804) at 1:100 dilution.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ADRA1B

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">147</a>             |
| <b>Protein Accession#</b> | <a href="#">P35368</a>          |
| <b>Gene Name</b>          | ADRA1B                          |
| <b>Gene Alias</b>         | ADRA1, ALPHA1BAR                |
| <b>Gene Description</b>   | adrenergic, alpha-1B-, receptor |
| <b>Omim ID</b>            | <a href="#">104220</a>          |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>       |

**Gene Summary**

Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1B-adrenergic receptor, which induces neoplastic transformation when transfected into NIH 3T3 fibroblasts and other cell lines. Thus, this normal cellular gene is identified as a protooncogene. This gene comprises 2 exons and a single large intron of at least 20 kb that interrupts the coding region. [provided by RefSeq]

**Other Designations**

alpha-1B-adrenergic receptor

**Pathway**

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)
- [Vascular smooth muscle contraction](#)

**Disease**

- [Anorexia Nervosa](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastroparesis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Mental Disorders](#)
- [NARP](#)

- [Obesity](#)
- [Sleep Apnea](#)
- [Stress](#)
- [Tobacco Use Disorder](#)