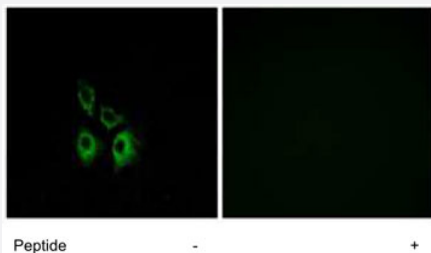


# ADRA1A polyclonal antibody

Catalog # PAB18063      Size 100 ug

## Applications



### Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ADRA1A polyclonal antibody (Cat # PAB18063).

Peptide "+" means "with peptide blocking".

## Specification

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of ADRA1A.                                                     |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human ADRA1A.                                                                         |
| <b>Host</b>                | Rabbit                                                                                                                     |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                                                          |
| <b>Specificity</b>         | This antibody is specific to ADRA1A.                                                                                       |
| <b>Form</b>                | Liquid                                                                                                                     |
| <b>Recommend Usage</b>     | Immunofluorescence (1:500~1:1000)<br>ELISA (1:10000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)                                                              |
| <b>Storage Instruction</b> | 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

- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ADRA1A polyclonal antibody (Cat # PAB18063).  
Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ADRA1A

|               |                     |
|---------------|---------------------|
| Entrez GeneID | <a href="#">148</a> |
|---------------|---------------------|

|                    |                        |
|--------------------|------------------------|
| Protein Accession# | <a href="#">P35348</a> |
|--------------------|------------------------|

|           |        |
|-----------|--------|
| Gene Name | ADRA1A |
|-----------|--------|

|            |                            |
|------------|----------------------------|
| Gene Alias | ADRA1C, ADRA1L1, ALPHA1AAR |
|------------|----------------------------|

|                  |                                 |
|------------------|---------------------------------|
| Gene Description | adrenergic, alpha-1A-, receptor |
|------------------|---------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">104221</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <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-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties. [provided by RefSeq] |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Designations | G protein coupled receptor OTTHUMP00000125313 adrenergic, alpha -1A-, receptor adrenergic, alpha-1A-, receptor variant 1 adrenergic, alpha-1A-, receptor variant 3 adrenergic, alpha-1A-, receptor variant 5 adrenergic, alpha-1A-, receptor variant 8 adrenerg |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Publication Reference

- [Cloning, expression and characterization of human alpha adrenergic receptors alpha 1a, alpha 1b and alpha 1c.](#)

Weinberg DH, Trivedi P, Tan CP, Mitra S, Perkins-Barrow A, Borkowski D, Strader CD, Bayne M.

Biochemical and Biophysical Research Communications 1994 Jun; 201(3):1296.

- [The alpha 1-adrenergic receptor that mediates smooth muscle contraction in human prostate has the pharmacological properties of the cloned human alpha 1c subtype.](#)

Forray C, Bard JA, Wetzel JM, Chiu G, Shapiro E, Tang R, Lepor H, Hartig PR, Weinshank RL, Branchek TA, et al..

Molecular Pharmacology 1994 Apr; 45(4):703.

- [Cloning, functional expression and tissue distribution of human cDNA for the alpha 1C-adrenergic receptor.](#)

Hirasawa A, Horie K, Tanaka T, Takagaki K, Murai M, Yano J, Tsujimoto G.

Biochemical and Biophysical Research Communications 1993 Sep; 195(2):902.

## Pathway

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

## Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Dyskinesia](#)
- [Edema](#)
- [Fibromyalgia](#)
- [Gastroparesis](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Low Back Pain](#)
- [Low Tension Glaucoma](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pain](#)
- [Parkinson disease](#)
- [Prostatic Hyperplasia](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Radius Fractures](#)
- [Reflex Sympathetic Dystrophy](#)
- [Schizophrenia](#)

- [Sciatica](#)
- [Syncope](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Wounds and Injuries](#)