

## ARG63912 anti-ADRA2A antibody

Package: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes ADRA2A  |
| Tested Reactivity   | Hu  |
| Predict Reactivity  | Ms, Rat, Dog  |
| Tested Application  | FACS, ICC/IF  |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | ADRA2A  |
| Species             | Human   |
| Immunogen           | C-TERRP NGLGPERS  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Alpha-2A adrenoceptor; ADRA2; Alpha-2AAR; ADRAR; Alpha-2A adrenoceptor; Alpha-2A adrenergic receptor; ALPHA2AAR; ZNF32; Alpha-2 adrenergic receptor subtype C10; ADRA2R |

### Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|----------|
|                   | FACS        | 10 µg/ml |
|                   | ICC/IF      | 10 µg/ml |

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified from goat serum by antigen affinity chromatography.   |
| Buffer              | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.   |
| Preservative        | 0.02% Sodium azide   |
| Stabilizer          | 0.5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 150 Human](#)

[Swiss-port # P08913 Human](#)

Background

Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Studies in mouse revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons; the alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes alpha2A subtype and it contains no introns in either its coding or untranslated sequences. [provided by RefSeq, Jul 2008]

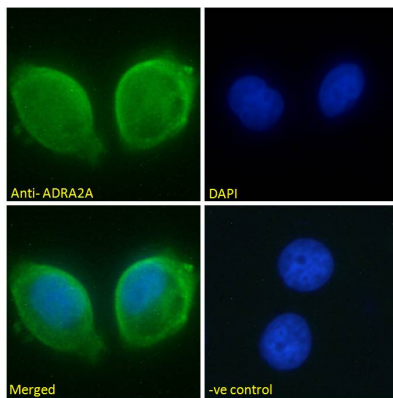
Research Area

Neuroscience antibody; Signaling Transduction antibody

Calculated Mw

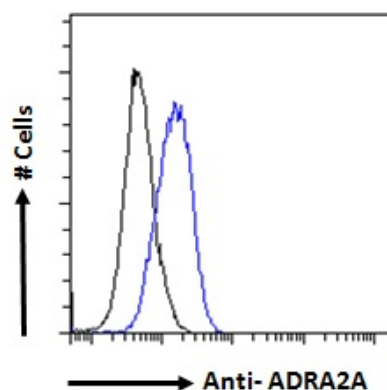
51 kDa

## Images



ARG63912 anti-ADRA2A antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton. Cells were stained with ARG63912 anti-ADRA2A antibody (green) at 10  $\mu\text{g}/\text{ml}$  dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10  $\mu\text{g}/\text{ml}$  dilution.



ARG63912 anti-ADRA2A antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed MCF7 cells permeabilized with 0.5% Triton. Cells were stained with ARG63912 anti-ADRA2A antibody (blue line) at 10  $\mu\text{g}/\text{ml}$  dilution and overnight, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).