

ADRA2A Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50657**Specification**

ADRA2A Antibody - Product Information

Application	IF, WB
Primary Accession	P08913
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49 KDa
Antigen Region	301-330

ADRA2A Antibody - Additional Information**Gene ID** 150**Other Names**

Alpha-2A adrenergic receptor, Alpha-2 adrenergic receptor subtype C10, Alpha-2A adrenoreceptor, Alpha-2A adrenoceptor, Alpha-2AAR, ADRA2A, ADRA2R, ADRAR

Dilution

IF~~1:100

WB~~1:500

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

ADRA2A Antibody - Protein Information**Name** ADRA2A ([HGNC:281](#))**Synonyms** ADRA2R, ADRAR**Function**

Alpha-2 adrenergic receptors mediate the catecholamine- induced inhibition of adenylate cyclase through the action of G proteins. The rank order of potency for agonists of this receptor is oxymetazoline > clonidine > epinephrine > norepinephrine > phenylephrine > dopamine > p-synephrine > p-tyramine > serotonin = p- octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propranolol > alprenolol = pindolol.

Cellular Location

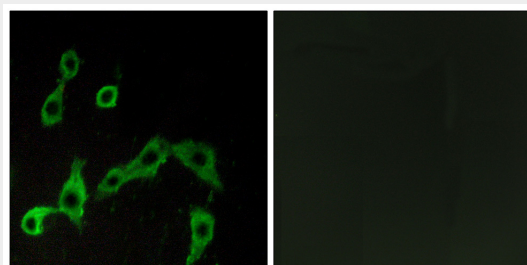
Cell membrane; Multi-pass membrane protein

ADRA2A Antibody - Protocols

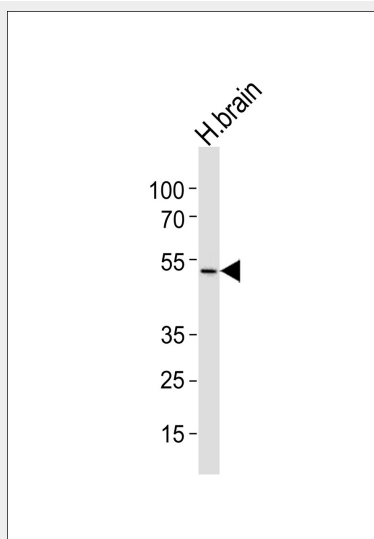
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADRA2A Antibody - Images



Immunofluorescence analysis of LOVO cells, using ADRA2A antibody.



Western blot analysis of lysate from H.brain cell line, using ADRA2A Antibody (AP50657). AP50657 was diluted at 1:500. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADRA2A Antibody - Background

Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins. The rank order of potency for agonists of this receptor is oxymetazoline > clonidine > epinephrine > norepinephrine > phenylephrine > dopamine >

p-syneprine > p-tyramine > serotonin = p-octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propranolol > alprenolol = pindolol.

ADRA2A Antibody - References

Kobilka B.K., et al. Science 238:650-656(1987).
Fraser C.M., et al. J. Biol. Chem. 264:11754-11761(1989).
Guyer C.A., et al. J. Biol. Chem. 265:17307-17317(1990).
Small K.M., et al. J. Biol. Chem. 275:38518-38523(2000).
Small K.M., et al. Proc. Natl. Acad. Sci. U.S.A. 103:5472-5477(2006).