

Adrenergic Receptor alpha-2B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50039**Specification**

Adrenergic Receptor alpha-2B Antibody - Product Information

Application	WB, IF
Primary Accession	P18089
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50 KDa
Antigen Region	180-211

Adrenergic Receptor alpha-2B Antibody - Additional Information**Gene ID** 151**Other Names**

Alpha-2B adrenergic receptor, Alpha-2 adrenergic receptor subtype C2, Alpha-2B adrenoreceptor, Alpha-2B adrenoceptor, Alpha-2BAR, ADRA2B, ADRA2L1, ADRA2RL1

Dilution

WB~~ 1:1000

IF~~1:100

Format

Rabbit 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

Adrenergic Receptor alpha-2B Antibody - Protein Information**Name** ADRA2B**Synonyms** ADRA2L1, ADRA2RL1**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 clonidine > norepinephrine > epinephrine = oxymetazoline > dopamine > p-tyramine = phenylephrine > serotonin > p-synephrine / p-octopamine. For antagonists, the rank order is yohimbine > chlorpromazine > phentolamine > mianserine > spiperone > prazosin > alprenolol > propanolol > pindolol.

Cellular Location

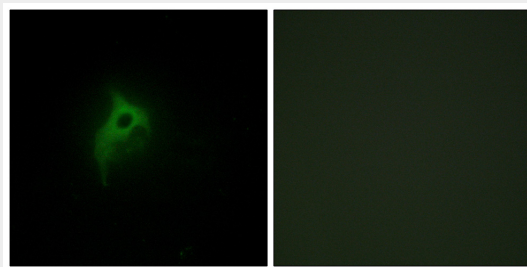
Cell membrane; Multi-pass membrane protein. Note=Interaction with RAB26, GGA1, GGA2 and GGA3 mediates transport from the Golgi to the cell membrane.

Adrenergic Receptor alpha-2B Antibody - Protocols

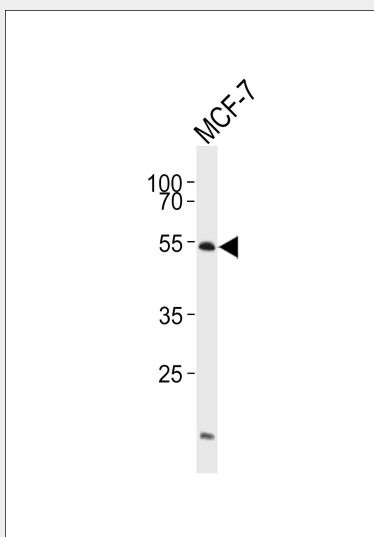
Provided below are standard protocols that you may find useful for product applications.

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

Adrenergic Receptor alpha-2B Antibody - Images



Immunofluorescence analysis of HepG2 cells, using Adrenergic Receptor alpha-2B antibody.



Western blot analysis of lysates from MCF-7 cell line, using Adrenergic Receptor alpha-2B Antibody (C10415). C10415 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg.

Adrenergic Receptor alpha-2B 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 clonidine

> norepinephrine > epinephrine = oxymetazoline > dopamine > p-tyramine = phenylephrine > serotonin > p-synephrine / p-octopamine. For antagonists, the rank order is yohimbine > chlorpromazine > phentolamine > mianserine > spiperone > prazosin > alprenolol > propranolol > pindolol.

Adrenergic Receptor alpha-2B Antibody - References

Lomasney J.W., et al. Proc. Natl. Acad. Sci. U.S.A. 87:5094-5098(1990).
Weinshank R.L., et al. Mol. Pharmacol. 38:681-688(1990).
Small K.M., et al. J. Biol. Chem. 276:4917-4922(2001).
Cayla C., et al. Biochem. Pharmacol. 67:469-478(2004).
Kopatz S.A., et al. Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.