

ADRA2A Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21754a**Specification**

ADRA2A Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	P08913
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	50647

ADRA2A Antibody (N-Term) - 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

Target/Specificity

This ADRA2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 118-152 amino acids from human ADRA2A.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ADRA2A Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

ADRA2A Antibody (N-Term) - 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-syneprine > p-tyramine > serotonin = p- octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propranolol > alprenolol = pindolol.

Cellular Location

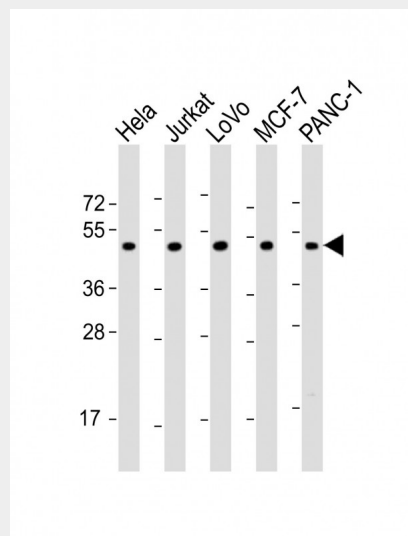
Cell membrane; Multi-pass membrane protein

ADRA2A Antibody (N-Term) - 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 (N-Term) - Images



All lanes : Anti-ADRA2A Antibody (N-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: LoVo whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: PANC-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ADRA2A Antibody (N-Term) - 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 > propanolol > alprenolol = pindolol.

ADRA2A Antibody (N-Term) - 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).