

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

**Specification**

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**ADRA2A Antibody (N-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P08913</a>
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

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

#### Cellular Location

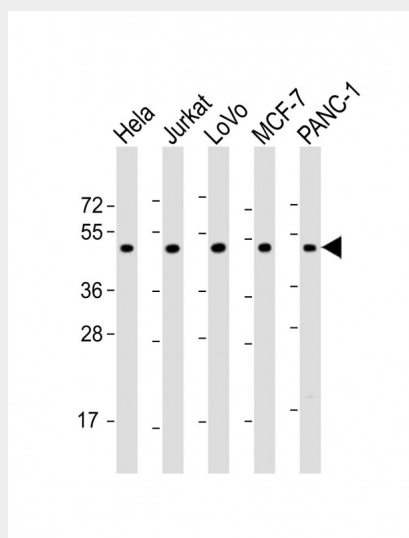
Cell membrane; Multi-pass membrane protein

#### ADRA2A Antibody (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% NFDN/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-synephrine > p-tyramine > serotonin = p-octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propranolol >

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).