

# ADRA2A Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21754a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P08913</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB53330
<b>Calculated MW</b>	50647

## Additional Information

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<b>Gene ID</b>	150
<b>Other Names</b>	Alpha-2A adrenergic receptor, Alpha-2 adrenergic receptor subtype C10, Alpha-2A adrenoreceptor, Alpha-2A adrenoceptor, Alpha-2AAR, ADRA2A, ADRA2R, ADRAR
<b>Target/Specificity</b>	This ADRA2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 118-152 amino acids from human ADRA2A.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ADRA2A Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ADRA2A ( <a href="#">HGNC:281</a> )
<b>Synonyms</b>	ADRA2R, ADRAR
<b>Function</b>	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

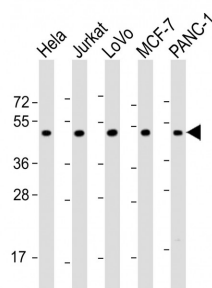
## Background

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.

## References

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Fraser C.M.,et al.J. Biol. Chem. 264:11754-11761(1989).  
Guyer C.A.,et al.J. Biol. Chem. 265:17307-17317(1990).  
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## 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.