

# Anti-Alpha-2A Adrenergic Receptor Antibody

Rabbit polyclonal antibody to Alpha-2A Adrenergic Receptor

Catalog # AP60214

## Product Information

Application	WB, IP, IF/IC
Primary Accession	<a href="#">P08913</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50647

## Additional Information

Gene ID	150
Other Names	ADRA2R; ADRAR; Alpha-2A adrenergic receptor; Alpha-2 adrenergic receptor subtype C10; Alpha-2A adrenoreceptor; Alpha-2A adrenoceptor; Alpha-2AAR
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Alpha-2A Adrenergic Receptor. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500), IP (1/10 - 1/100) IP~~N/A IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

Name	ADRA2A ( <a href="#">HGNC:281</a> )
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 > propanolol > alprenolol = pindolol.
Cellular Location	Cell membrane; Multi-pass membrane protein

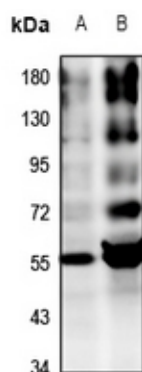
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Alpha-2A Adrenergic Receptor. The exact sequence is proprietary.

## Images

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Western blot analysis of Alpha-2A Adrenergic Receptor expression in HeLa (A), A2780 (B) whole cell lysates.



Immunofluorescent analysis of Alpha-2A Adrenergic Receptor staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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