

# Adrenergic Receptor alpha-2B Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50039

## Product Information

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<b>Application</b>	WB, IF
<b>Primary Accession</b>	<a href="#">P18089</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Calculated MW</b>	49954

## Additional Information

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<b>Gene ID</b>	151
<b>Other Names</b>	Alpha-2B adrenergic receptor, Alpha-2 adrenergic receptor subtype C2, Alpha-2B adrenoreceptor, Alpha-2B adrenoceptor, Alpha-2BAR, ADRA2B, ADRA2L1, ADRA2RL1
<b>Dilution</b>	WB~~ 1:1000 IF~~1:100
<b>Format</b>	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	ADRA2B ( <a href="#">HGNC:282</a> )
<b>Synonyms</b>	ADRA2L1, ADRA2RL1
<b>Function</b>	Alpha-2 adrenergic receptors are G protein-coupled receptors for catecholamines that activate G(i/o) protein pathway, thereby promoting adenylyl cyclase inhibition, ERK1/2 stimulation, and voltage-gated calcium channels suppression (PubMed: <a href="#">11056163</a> , PubMed: <a href="#">2164221</a> , PubMed: <a href="#">2172775</a> , PubMed: <a href="#">23105096</a> , PubMed: <a href="#">26811329</a> ). Control a variety of physiological processes, such as regulation of blood pressure, lipolysis and insulin release (PubMed: <a href="#">2164221</a> ). The rank order of potency for agonists of ADRA2B 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 (PubMed: <a href="#">2164221</a> , PubMed: <a href="#">2172775</a> ).
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein Note=Interaction with RAB26,

GGA1, GGA2 and GGA3 mediates transport from the Golgi to the cell membrane.

## Background

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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.

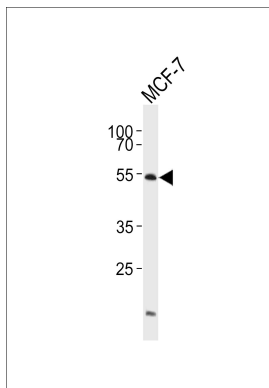
## References

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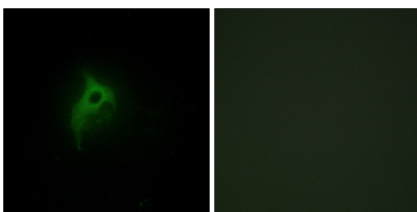
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Kopatz S.A.,et al.Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.

## Images

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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 35ug.



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

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