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Anti-Alpha-2B Adrenergic Receptor Antibody

Rabbit polyclonal antibody to Alpha-2B Adrenergic Receptor
Catalog # AP61305

Product Information

Application	WB, IF/IC
Primary Accession	P18089
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49954

Additional Information

Gene ID	151
Other Names	ADRA2L1; ADRA2RL1; Alpha-2B adrenergic receptor; Alpha-2 adrenergic receptor subtype C2; Alpha-2B adrenoreceptor; Alpha-2B adrenoceptor; Alpha-2BAR
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Alpha-2B Adrenergic Receptor. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) 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

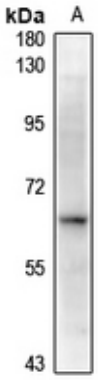
Name	ADRA2B
Synonyms	ADRA2L1, ADRA2RL1
Function	Alpha-2 adrenergic receptors mediate the catecholamine- induced inhibition of adenylate cyclase through the action of G proteins. The rank order of potency for agonists of this receptor is clonidine > norepinephrine > epinephrine = oxymetazoline > dopamine > p-tyramine = phenylephrine > serotonin > p-synephrine / p-octopamine. For antagonists, the rank order is yohimbine > chlorpromazine > phentolamine > mianserine > spiperone > prazosin > alprenolol > propanolol > pindolol.
Cellular Location	Cell membrane; Multi-pass membrane protein. Note=Interaction with RAB26, GGA1, GGA2 and GGA3 mediates transport from the Golgi to the cell

membrane.

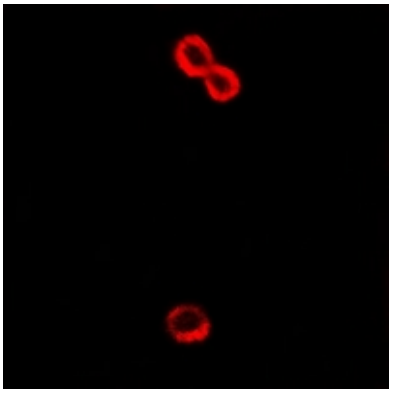
Background

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

Images



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



Immunofluorescent analysis of Alpha-2B 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 hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.