

Datasheet for ABIN1944814
anti-ADRA2B antibody



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Overview

Quantity:	100 µL
Target:	ADRA2B
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Isotype:	IgG1
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Target Details

Target:	ADRA2B
Alternative Name:	Adrenergic Receptor alpha-2B (ADRA2B Products)
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 clonidine > norepinephrine > epinephrine = oxymetazoline > dopamine > p-tyramine = phenylephrine > serotonin > p-syneprine / p-octopamine. For antagonists, the rank order is yohimbine > chlorpromazine > phentolamine > mianserine > spiperone > prazosin > alprenolol > propanolol > pindolol.
Molecular Weight:	49954 Da

Target Details

Gene ID:	151
UniProt:	P18089
Pathways:	EGFR Signaling Pathway , cAMP Metabolic Process

Application Details

Application Notes:	IF: 1:100. WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C, -20 °C

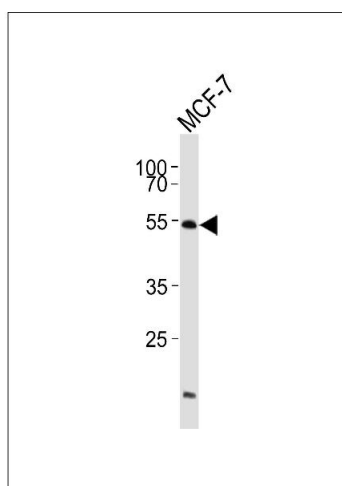
Publications

Product cited in:	<p>Cayla, Heinonen, Viikari, Schaak, Snapir, Bouloumié, Karvonen, Pesonen, Scheinin, Paris: "Cloning, characterisation and identification of several polymorphisms in the promoter region of the human alpha2B-adrenergic receptor gene." in: Biochemical pharmacology, Vol. 67, Issue 3, pp. 469-78, (2004) (PubMed).</p> <p>Small, Brown, Forbes, Liggett: "Polymorphic deletion of three intracellular acidic residues of the alpha 2B-adrenergic receptor decreases G protein-coupled receptor kinase-mediated phosphorylation and desensitization." in: The Journal of biological chemistry, Vol. 276, Issue 7, pp. 4917-22, (2001) (PubMed).</p>
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Lomasney, Lorenz, Allen, King, Regan, Yang-Feng, Caron, Lefkowitz: "Expansion of the alpha 2-adrenergic receptor family: cloning and characterization of a human alpha 2-adrenergic receptor subtype, the gene for which is located on chromosome 2." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 87, Issue 13, pp. 5094-8, (1990) ([PubMed](#)).

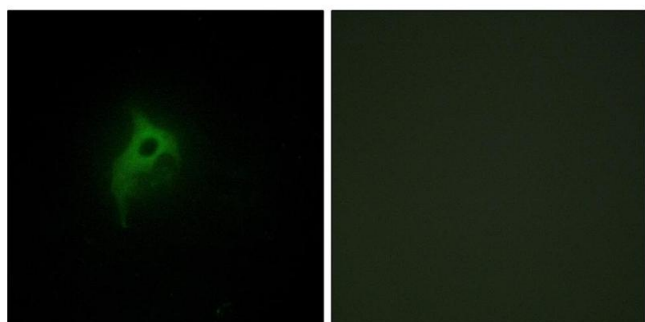
Weinshank, Zgombick, Macchi, Adham, Lichtblau, Branchek, Hartig: "Cloning, expression, and pharmacological characterization of a human alpha 2B-adrenergic receptor." in: **Molecular pharmacology**, Vol. 38, Issue 5, pp. 681-8, (1990) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of lysates from MCF-7 cell line, using Adrenergic Receptor alpha-2B Antibody (ABIN484260 and ABIN1533641). ABIN484260 and ABIN1533641 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 35 µg.



Immunofluorescence

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