

AR α 2C Polyclonal Antibody

Catalog # AP68483

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P18825
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49522

Additional Information

Gene ID	152
Other Names	ADRA2C; ADRA2L2; ADRA2RL2; Alpha-2C adrenergic receptor; Alpha-2 adrenergic receptor subtype C4; Alpha-2C adrenoreceptor; Alpha-2C adrenoceptor; Alpha-2CAR
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	ADRA2C (HGNC:283)
Synonyms	ADRA2L2, ADRA2RL2
Function	Alpha-2 adrenergic receptors are G protein-coupled receptors for catecholamines that activate the G(i/o) protein pathway, thereby promoting adenylyl cyclase inhibition, ERK1/2 stimulation, and voltage-gated calcium channels suppression (PubMed: 2842764). Control a variety of physiological processes, such as regulation of blood pressure, lipolysis and insulin release (PubMed: 2842764). ADRA2A and ADRA2C mediates the presynaptic feedback inhibition of neurotransmitter release from noradrenergic nerve terminals in sympathetic and central nervous systems. ADRA2A inhibits transmitter release at high stimulation frequencies, whereas ADRA2C modulates neurotransmission at lower levels of nerve activity (By similarity). The rank order of potency for physiological agonists of ADRA2C is epinephrine > norepinephrine > dopamine (PubMed: 2842764).

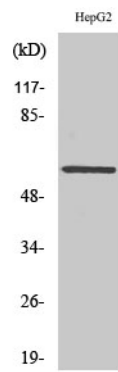
Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000269|Ref.8}

Background

Alpha-2 adrenergic receptors mediate the catecholamine- induced inhibition of adenylate cyclase through the action of G proteins.

Images



Western Blot analysis of various cells using AR α2C Polyclonal Antibody

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