
Summary

Production Name	AR α 2C Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ADRA2C
Alternative Names	ADRA2C; ADRA2L2; ADRA2RL2; Alpha-2C adrenergic receptor; Alpha-2 adrenergic receptor subtype C4; Alpha-2C adrenoreceptor; Alpha-2C adrenoceptor; Alpha-2CAR
Gene ID	152.0
SwissProt ID	P18825.The antiserum was produced against synthesized peptide derived from human Adrenergic Receptor alpha-2C. AA range:336-385

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	70kD

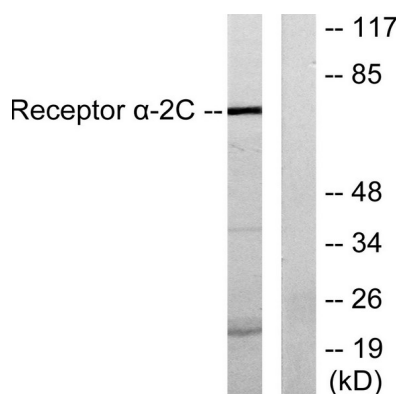
Background

Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. The mouse studies revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons. The alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes the alpha2C subtype, which contains no introns in either its coding or untranslated sequences. [provided by RefSeq, Jul 2008],function:Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins.,polymorphism:The Del322-325 variant has a significant loss of function. It is approximately 10 times more frequent in African-Americans compared with Caucasians (allele frequencies 0.381 versus 0.040),similarity:Belongs to the G-protein coupled receptor 1 family.,

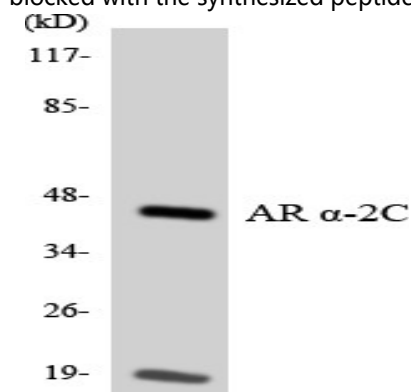
Research Area

Neuroactive ligand-receptor interaction;

Image Data



Western blot analysis of lysates from HepG2 cells, using Adrenergic Receptor alpha-2C Antibody. The lane on the right is blocked with the synthesized peptide.



Product Name: AR α 2C Rabbit Polyclonal Antibody
Catalog #: APRab07085



Western blot analysis of the lysates from HeLa cells using Adrenergic Receptor α -2C antibody.



Western Blot analysis of various cells using AR α 2C Polyclonal Antibody

Note

For research use only.