Product Name: AR α2A Rabbit Polyclonal Antibody
Catalog #: APRab07083

Summary

Production Name	AR α2A Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,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	ADRA2A
Alternative Names	ADRA2A; ADRA2R; ADRAR; Alpha-2A adrenergic receptor; Alpha-2 adrenergic receptor subtype C10; Alpha-2A adrenoreceptor; Alpha-2A adrenoceptor; Alpha-2AAR
Gene ID	150.0
SwissProt ID	P08913.The antiserum was produced against synthesized peptide derived from human Adrenergic Receptor alpha-2A. AA range:331-380

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000.Not yet tested in other applications.
Molecular Weight	48kDa

Product Name: AR α2A Rabbit Polyclonal Antibody
Catalog #: APRab07083

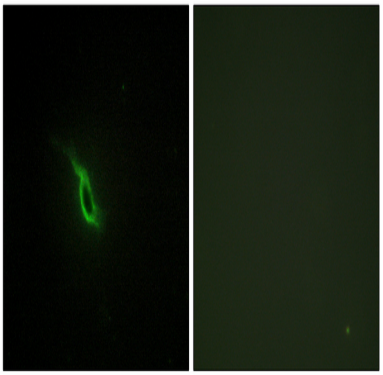
Background

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. Studies in mouse 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 alpha2A subtype and it 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. The rank order of potency for agonists of this receptor is oxymetazoline > clonidine > epinephrine > norepinephrine > phenylephrine > dopamine > p-synephrine > p-tyramine > serotonin = p-octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propanolol > alprenolol = pindolol.,similarity:Belongs to the G-protein coupled receptor 1 family.,

Research Area

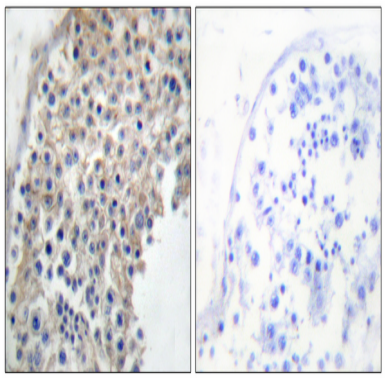
Neuroactive ligand-receptor interaction;

Image Data

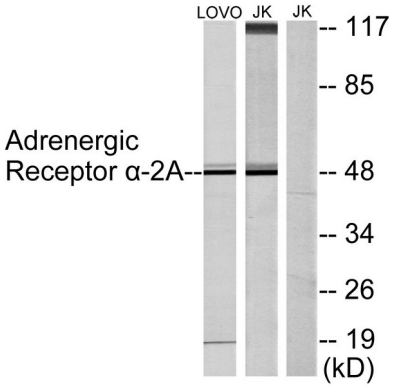


Immunofluorescence analysis of NIH/3T3 cells, using Adrenergic Receptor alpha-2A Antibody. The picture on the right is blocked with the synthesized peptide.

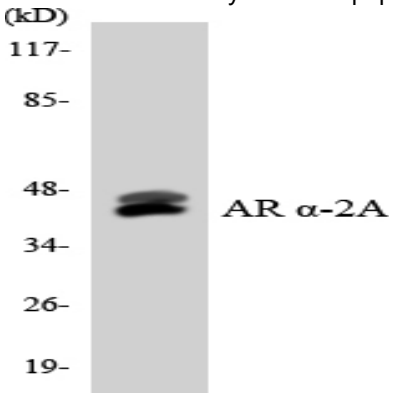
Product Name: AR α2A Rabbit Polyclonal Antibody
Catalog #: APRab07083



Immunohistochemistry analysis of paraffin-embedded human testis tissue, using Adrenergic Receptor alpha-2A Antibody. The picture on the right is blocked with the synthesized peptide.

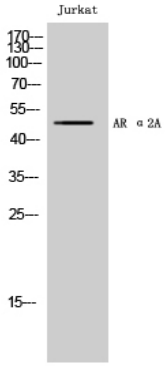


Western blot analysis of lysates from Jurkat and LOVO cells, using Adrenergic Receptor alpha-2A Antibody. The lane on the right is blocked with the synthesized peptide.



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

Product Name: AR α2A Rabbit Polyclonal Antibody
Catalog #: APRab07083



Western Blot analysis of Jurkat cells using AR α2A Polyclonal Antibody

Note

For research use only.