

AR a2B Polyclonal Antibody

Catalog No: YT0299

Reactivity: Human; Rat; Mouse;

Applications: IF;ELISA

Target: AR α2B

Fields: >>cGMP-PKG signaling pathway;>>Neuroactive ligand-receptor interaction

Gene Name: ADRA2B

Protein Name: Alpha-2B adrenergic receptor

P18089

P30545

Human Gene Id: 151

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

Adrenergic Receptor alpha-2B. AA range:161-210

Specificity: AR a2B Polyclonal Antibody detects endogenous levels of AR a2B protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Molecularweight: 50kD

Cell Pathway : Neuroactive ligand-receptor interaction;

Background: This intronless gene encodes a seven-pass transmembrane protein. This protein

is a member of a subfamily of G protein-coupled receptors that regulate

neurotransmitter release from sympathetic nerves and from adrenergic neurons in

the central nervous system. [provided by RefSeq, Apr 2014],

Function: 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.,polymorphism: A rare polymorphic framshift in position

coupled receptor 1 family.,

Subcellular Location :

Cell membrane ; Multi-pass membrane protein . Interaction with RAB26, GGA1,

GGA2 and GGA3 mediates transport from the Golgi to the cell membrane. .

451 produces a protein of 542 residues., similarity: Belongs to the G-protein

Expression: Pooled,

Sort : 2203

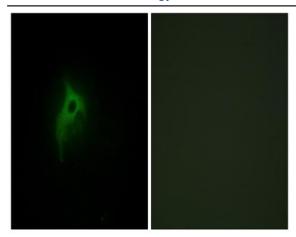
No4:

Host: Rabbit

Modifications: Unmodified

Products Images

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Immunofluorescence analysis of HepG2 cells, using Adrenergic Receptor alpha-2B Antibody. The picture on the right is blocked with the synthesized peptide.