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Rabbit Anti-ADRA1B antibody

SL10465R

Product Name:	ADRA1B
Chinese Name:	alpha 1肾上腺素能受体B抗体
Alias:	ADA1B_HUMAN; ADRA1; ALPHA1BAR; Alpha-1B adrenergic receptor; Alpha-1B adrenoreceptor; Alpha-1B adrenoceptor; alpha-1B-adrenergic receptor; adrenergic, alpha-1B-, receptor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ADRA1B:1-100/520
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1B-adrenergic receptor, which

induces neoplastic transformation when transfected into NIH 3T3 fibroblasts and other cell lines. Thus, this normal cellular gene is identified as a protooncogene. This gene comprises 2 exons and a single large intron of at least 20 kb that interrupts the coding region. [provided by RefSeq, Jul 2008].

Function:
This alpha-adrenergic receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. Nuclear ADRA1A-ADRA1B heterooligomers regulate phenylephrine (PE)-stimulated ERK signaling in cardiac myocytes.

Subunit:
Homo- and heterooligomer. Heterooligomerizes with ADRA1B homooligomers in cardiac myocytes.

Subcellular Location:
Nucleus membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Location at the nuclear membrane facilitates heterooligomerization and regulates ERK-mediated signaling in cardiac myocytes. signaling in cardiac myocytes. Colocalizes with GNAQ, PLCB1 as well as LAP2 at the nuclear membrane of cardiac myocytes.

Similarity:
Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRA1B sub-subfamily.

SWISS:
P35368

Gene ID:
147

Database links:

Entrez Gene: 147Human

Entrez Gene: 11548Mouse

Entrez Gene: 24173Rat

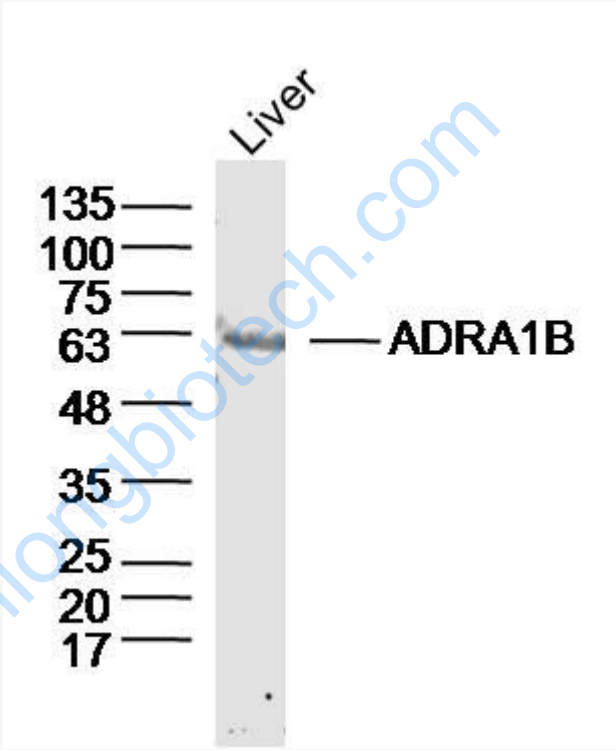
Omim: 104220Human

SwissProt: P35368Human

SwissProt: P97717Mouse

SwissProt: P15823Rat

Unigene: 368632Human

	Unigene: 39086Mouse Unigene: 10032Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-ADRA1B (SL10465R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57kD Observed band size: 60kD