

beta 2 Adrenergic Receptor Rabbit mAb

Catalog No: #49417

Package Size: #49417-1 50ul #49417-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

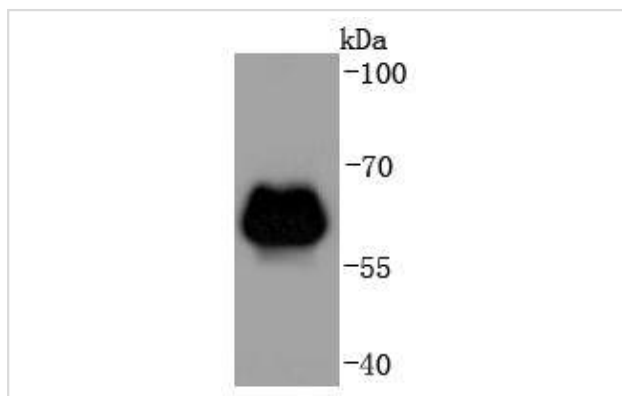
Description

Product Name	beta 2 Adrenergic Receptor Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM102-06
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Other Names	ADRB2 antibody ADRB2_HUMAN antibody ADRB2R antibody ADRBR antibody Adrenergic beta 2 receptor surface antibody Adrenoceptor beta 2 surface antibody B2AR antibody BAR antibody beta 2 adrenoceptor antibody Beta 2 adrenoceptor antibody Beta-2 adrenergic receptor antibody Beta-2 adrenoceptor antibody Beta-2 adrenoceptor antibody BETA2AR antibody Catecholamine receptor antibody OTTHUMP00000160386 antibody
Accession No.	Swiss-Prot#:P07550
Uniprot	P07550
GeneID	154;
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

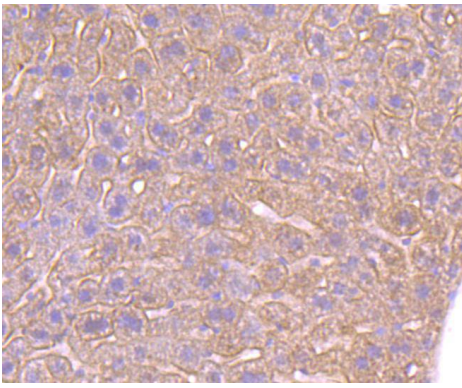
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200

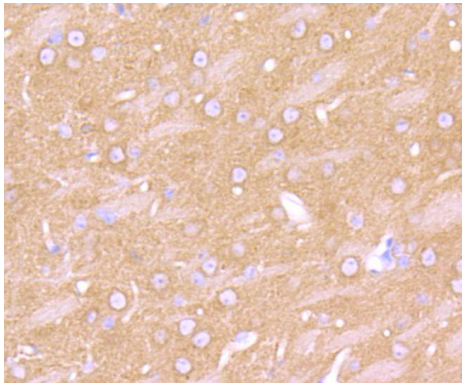
Images



Western blot analysis of ADRB2 on zebrafish lysates using anti-ADRB2 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-ADRB2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-ADRB2 antibody. Counter stained with hematoxylin.

Background

Adrenergic receptors (ARs) (the term "adrenergic" reflects the alternative name for epinephrine, adrenaline) include four general types (α_1 , α_2 , β_1 and β_2) which are found in different target tissues and differ in their affinities and responses to various agonists and antagonists. cDNA clones have been isolated for all of the major AR subtypes and a number of closely related receptors have been identified by this approach. Each of the receptors have been shown to consist of single polypeptide chains which transverse the plasma membrane seven times, presumably forming a bundle of helices within the membrane. These transmembrane regions are hydrophobic and are interconnected by extracellular and intracellular hydrophilic loops. The coupling of ARs to specific intracellular effectors is mediated through diverse heterotrimeric G proteins and is regulated by G protein-coupled receptor kinases (GRKs), cAMP-dependent protein kinase A and protein kinase C directed phosphorylation. β_2 -adrenergic receptors bind catecholamines (epinephrine, norepinephrine) and influence development, behavior, cardiac function, smooth muscle tone, and metabolism. β_2 -AR signaling complexes can contain C L-type calcium channel $\text{Ca(V)}1.2$, G protein, adenylyl cyclase, cAMP-dependent kinase, and PP2A phosphatase.

References

Note: This product is for in vitro research use only