

Anti-ADRB2 Antibody (3B949)

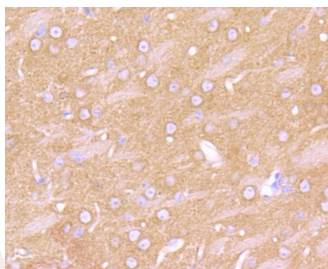
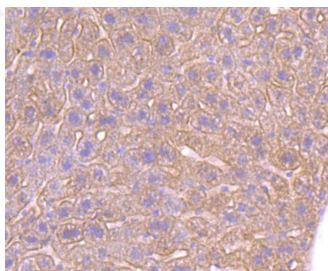
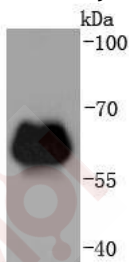
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,zebrafish
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 60 kDa.
Clone:	3B949
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of ADRB2 on zebrafish lysates using anti-ADRB2 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-ADRB2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-ADRB2 antibody. Counter stained with hematoxylin.



Application:	IHC,IP,WB
Recommended	WB: 1:1000-5000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P07550

Synonyms: Beta-2 adrenergic receptor;B2AR;Beta-2 adrenoceptor;ADRB2R;Beta-2 adrenoceptor;ADRB 2

Research Background

Adrenergic receptors (ARs) (the term "adrenergic" reflects the alternative name for epinephrine, adrenaline) include four general types (a1, a2, b1 and b2) 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. b2-adrenergic receptors bind catecholamines (epinephrine, norepinephrine) and influence development, behavior, cardiac function, smooth muscle tone, and metabolism. b2-AR signaling complexes can contain C L-type calcium channel Ca(V)1.2, G protein, adenylyl cyclase, cAMP-dependent kinase, and PP2A phosphatase.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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