

Datasheet for ABIN359488

anti-beta 2 Adrenergic Receptor antibody (Ser261)



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2 Images

Overview

Quantity:	0.4 mL
Target:	beta 2 Adrenergic Receptor (ADRB2)
Binding Specificity:	Ser261
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta 2 Adrenergic Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S261 of human BAR2.
Isotype:	Ig Fraction
Specificity:	This antibody detects BAR2.
Purification:	Protein A column, followed by peptide affinity purification.

Target Details

Target:	beta 2 Adrenergic Receptor (ADRB2)
Alternative Name:	beta-2 Adrenergic Receptor (ADRB2 Products)

Target Details

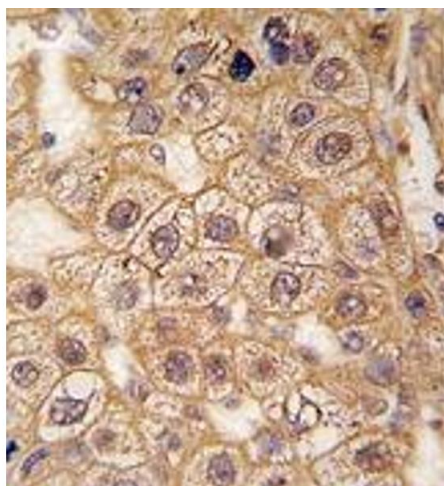
Background:	Beta-2-adrenergic receptor is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor.Synonyms: ADRB2, ADRB2R, B2AR, Beta-2 adrenoreceptor
Molecular Weight:	46426 Da
Gene ID:	154, 9606
UniProt:	P07550
Pathways:	cAMP Metabolic Process , Synaptic Membrane , Regulation of G-Protein Coupled Receptor Protein Signaling , Brown Fat Cell Differentiation

Application Details

Application Notes:	ELISA: 1/1,000. Western blot: 1/50 - 1/100. Immunohistochemistry : 1/10 - 1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

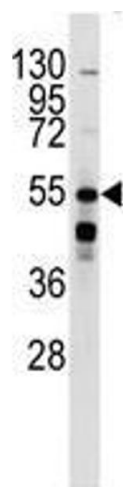
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with BAR2 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-BAR2 Antibody in mouse kidney lysates (35 µg/lane). BAR2 (arrow) was detected using the purified Pab (1:60 dilution).