

BAR2 Antibody (S261)

Rabbit Polyclonal Antibody Catalog # ABV11767

Product Information

Application	WB, IHC
Primary Accession	<u>P07550</u>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46459

Additional Information

Gene ID	154
Positive Control Application & Usage Alias Symbol Other Names	Western blot, IHC WB: 1:1000, IHC: 1:50~101 BAR2 Beta-2 adrenergic receptor, Beta-2 adrenoreceptor, Beta-2 adrenoceptor, ADRB2, ADRB2R, B2AR
Appearance	Colourless liquid
Formulation	100 ɡ (0.5 mg/ml) of antibody in PBS with 0.09% (W/V) sodium azide.
Reconstitution & Storage	-20 °C
Background Descriptions Precautions	BAR2 Antibody (S261) is for research use only and not for use in diagnostic of therapeutic procedures.

Protein Information

Name	ADRB2
Synonyms	ADRB2R, B2AR
Function	Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. The beta-2-adrenergic receptor binds epinephrine with an approximately 30- fold greater affinity than it does norepinephrine.
Cellular Location	Cell membrane; Multi-pass membrane protein. Early endosome. Golgi apparatus. Note=Colocalizes with VHL at the cell membrane

(PubMed:19584355). Activated receptors are internalized into endosomes prior to their degradation in lysosomes (PubMed:20559325) Activated receptors are also detected within the Golgi apparatus (PubMed:27481942).

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. Beta-adrenergic receptors mediate the catecholamine- induced activation of adenylate cyclase through the action of G proteins. The beta-2-adrenergic receptor binds epinephrine with an approximately 30-fold greater affinity than it does norepinephrine.

Images



Western blot analysis in mouse kidney lysates using BAR2(S261) purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with BAR2 antibody(S261), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.