



AR- β 2 (phospho Ser346) rabbit pAb

Cat No.:ES4919

For research use only

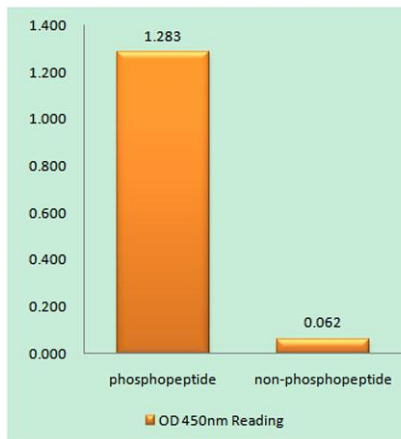
Overview

Product Name	AR- β 2 (phospho Ser346) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Adrenergic Receptor beta2 around the phosphorylation site of Ser346. AA range:321-370
Specificity	Phospho-AR- β 2 (S346) Polyclonal Antibody detects endogenous levels of AR- β 2 protein only when phosphorylated at S346.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Beta-2 adrenergic receptor
Gene Name	ADRB2
Cellular localization	Cell membrane ; Multi-pass membrane protein . Early endosome . Golgi apparatus . 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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml

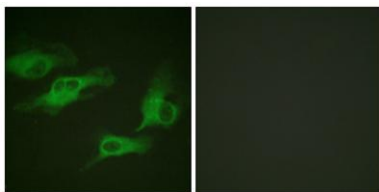




Observed band	40kD
Human Gene ID	154
Human Swiss-Prot Number	P07550
Alternative Names	ADRB2; ADRB2R; B2AR; Beta-2 adrenergic receptor; Beta-2 adrenoreceptor; Beta-2 adrenoceptor
Background	This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This 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. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Adrenergic Receptor beta2 (Phospho-Ser346) Antibody

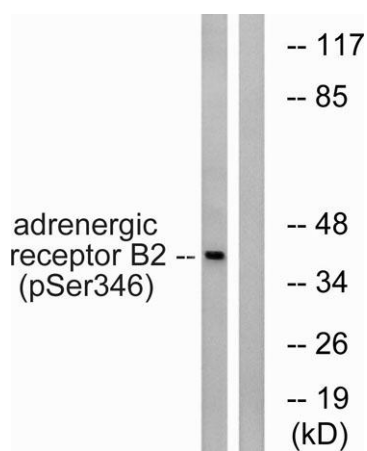
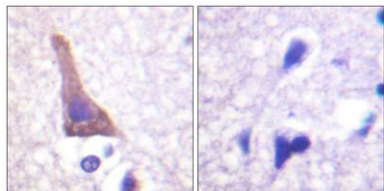


Immunofluorescence analysis of HeLa cells, using Adrenergic Receptor beta2 (Phospho-Ser346) Antibody. The picture on the right is blocked with the phospho peptide.





Immunohistochemistry analysis of paraffin-embedded human brain, using Adrenergic Receptor beta2 (Phospho-Ser346) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with nocodazole 1ug/ml 16h, using Adrenergic Receptor beta2 (Phospho-Ser346) Antibody. The lane on the right is blocked with the phospho peptide.

