

Adrenergic Receptor beta2 (Phospho-Ser346) Antibody

Catalog No: #11970

Package Size: #11970-1 50ul #11970-2 100ul

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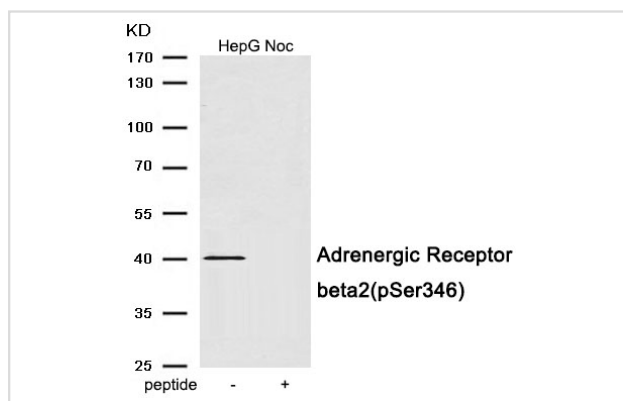
Description

Product Name	Adrenergic Receptor beta2 (Phospho-Ser346) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Adrenergic Receptor beta2 only when phosphorylated at serine 346.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 346 (R-S-S(p)-L-K) derived from Human Adrenergic Receptor beta2.
Target Name	Adrenergic Receptor beta2
Modification	Phospho
Other Names	ADRB2R; B2AR; adrenergic receptor; beta-2;
Accession No.	Swiss-Prot#: P07550; NCBI Gene#: 154; NCBI Protein#: NP_000015.1
SDS-PAGE MW	40kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells treated with Nocodazole using Phospho-Adrenergic Receptor beta2 (Ser346) antibody #11970. The lane on the right is treated with the antigen-specific peptide.

Background

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.

Gao S, Malbon C, Wang HY (2014) J Mol Signal 9, 3

24690384 Curated Info

Vistein R, Puthenveedu MA (2013) Proc Natl Acad Sci U S A 110, 15289-94

Gimenez LE, et al. (2012) J Biol Chem 287, 9028-40

Note: This product is for in vitro research use only and is not intended for use in humans or animals.