Datasheet for ABIN1531704

anti-beta 2 Adrenergic Receptor antibody (pSer346)

3 Images

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Overview

Quantity:	100 µg
Target:	beta 2 Adrenergic Receptor (ADRB2)
Binding Specificity:	AA 321-370, pSer346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta 2 Adrenergic Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Adrenergic Receptor beta2 around the phosphorylation site of Ser346.
Isotype:	IgG
Specificity:	Adrenergic Receptor beta2 (Phospho-Ser346) Antibody detects endogenous levels of Adrenergic Receptor beta2 only when phosphorylated at Ser346. PhosphorylationH:S346
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

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Target Details

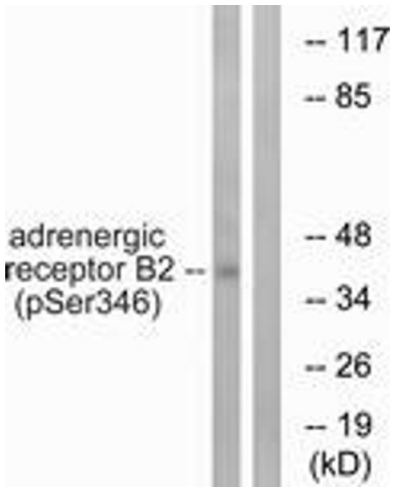
Target:	beta 2 Adrenergic Receptor (ADRB2)
Alternative Name:	Adrenergic Receptor Beta2 (ADRB2 Products)
Background:	Synonyms: Beta-2 adrenergic receptor, Beta-2 adrenoceptor, Beta-2 adrenoreceptor, ADRB2, ADRB2R, B2AR, NCBI Gene Symbol: ADRB2
Molecular Weight:	46 kDa
Gene ID:	154
OMIM:	109690
UniProt:	P07550
Pathways:	cAMP Metabolic Process, Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling, Brown Fat Cell Differentiation

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000
Comment:	Unigene-Number: Hs.591251 (NCBI Gene Symbol: ADRB2)
Restrictions:	For Research Use only

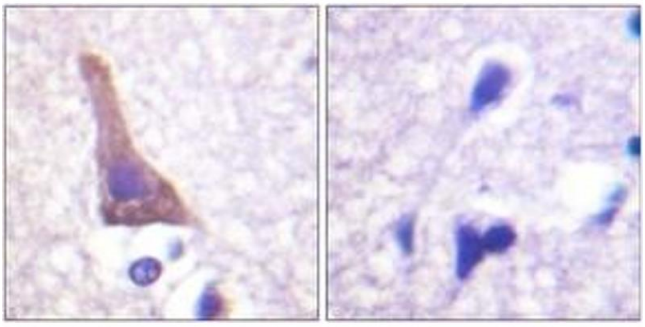
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



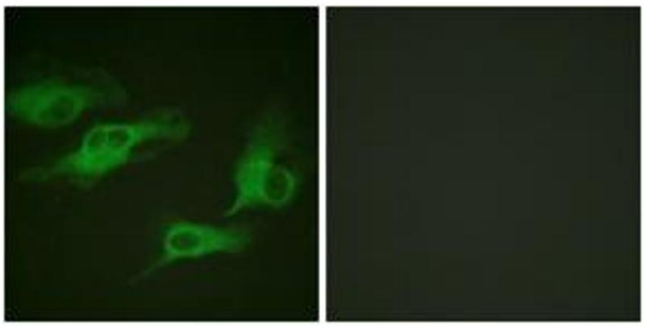
Western Blotting

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



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using Adrenergic Receptor beta2 (Phospho-Ser346) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells, using Adrenergic Receptor beta2 (Phospho-Ser346) Antibody. The picture on the right is treated with the synthesized peptide.