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Datasheet for ABIN185478 anti-beta 2 Adrenergic Receptor antibody (C-Term)

2 Images

1 Publication



Overview

Quantity:	100 µg
Target:	beta 2 Adrenergic Receptor (ADRB2)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This beta 2 Adrenergic Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	ADRB2R / ADRB2
Immunogen:	Peptide with sequence C-HQGTVPSDNIDSQ, from the C Terminus of the protein sequence according to NP_000015.1.
Sequence:	HQGTVPSDNI DSQ
lsotype:	lgG
Cross-Reactivity:	Cow, Dog, Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details	
Target:	beta 2 Adrenergic Receptor (ADRB2)
Alternative Name:	ADRB2 (ADRB2 Products)
Background:	ADRB2, ADRB2R, adrenergic, beta-2-, receptor, surface , HGNC:286, ADRBR, B2AR, BAR,
	BETA2AR, beta-2 adrenergic receptor, beta-2 adrenoceptor, catecholamine receptor
Gene ID:	154
NCBI Accession:	NP_000015
Pathways:	cAMP Metabolic Process, Synaptic Membrane, Regulation of G-Protein Coupled Receptor
	Protein Signaling, Brown Fat Cell Differentiation
Application Details	
Application Notes:	Western Blot: Approx 48 kDa band observed in lysates of cell lind HepG2 (calculated MW of
	46.6 kDa according to NP_000015.1). Recommended concentration: 0.3-1 μ g/mL. Primary
	incubation 1 hour at room temperature.
	Peptide ELISA: antibody detection limit dilution 1:16000.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
ronnat.	
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated
	at 4°C for a few weeks and still remain viable.

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Product cited in:

Rekawiecki, Nowocin, Kotwica: "Relationship between concentrations of progesterone, oxytocin, noradrenaline, gene expression and protein level for their receptors in corpus luteum during estrous cycle in the cow." in: **Prostaglandins & other lipid mediators**, Vol. 92, Issue 1-4, pp. 13-8, (2010) (PubMed).

Images

100kDa	
75kDa	Image 1. ABIN185478 (0.2µg/ml) staining of human
50kDa	lysate (35µg protein in RIPA buffer). Primary incubation
37kDa	1 hour. Detected by chemiluminescence.
25kDa	
20kDa	
15kDa	
10kDa	
250kDa 150kDa	Western Blotting
250kDa 150kDa 100kDa	Western Blotting Image 2. ABIN185478 (0.5µg/ml) staining of HepG2
250kDa 150kDa 100kDa 75kDa	Western Blotting Image 2. ABIN185478 (0.5µg/ml) staining of HepG2
250kDa 150kDa 100kDa 75kDa 50kDa	Western Blotting Image 2. ABIN185478 (0.5µg/ml) staining of HepG2 ysate (35µg protein in RIPA buffer). Detected
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa	Western Blotting Image 2. ABIN185478 (0.5µg/ml) staining of HepG2 ysate (35µg protein in RIPA buffer). Detected chemiluminescence.
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa	Western Blotting Image 2. ABIN185478 (0.5µg/ml) staining of HepG2 ysate (35µg protein in RIPA buffer). Detected chemiluminescence.
250kDa 150kDa 70kDa 50kDa 37kDa 25kDa	Western Blotting Image 2. ABIN185478 (0.5µg/ml) staining of HepG2 ysate (35µg protein in RIPA buffer). Detected chemiluminescence.

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