

Datasheet for ABIN7042904

anti-beta 2 Adrenergic Receptor antibody (Extracellular, N-Term)



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3 Images

Overview

Quantity:	25 µL
Target:	beta 2 Adrenergic Receptor (ADRB2)
Binding Specificity:	AA 15-30, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)NGSRAPDHDVTQERDE, corresponding to amino acid residues 15-30 of mouse ADRB2
Isotype:	IgG
Characteristics:	Anti-β2-Adrenergic Receptor (extracellular) Antibody (ABIN7042904, ABIN7043910 and ABIN7043911)) is a highly specific antibody directed against an extracellular epitope of the mouse β2-adrenoceptor. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize β2AR from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	beta 2 Adrenergic Receptor (ADRB2)
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Target Details

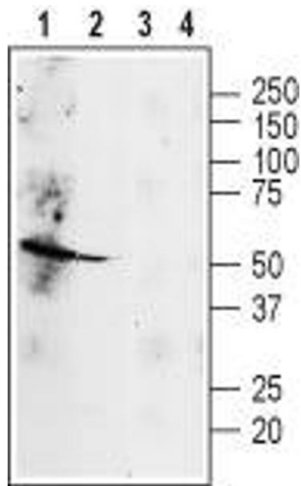
Alternative Name:	beta2-Adrenergic Receptor (ADRB2 Products)
Background:	Alternative names: beta2-Adrenergic Receptor, Beta-2 adrenoceptor, Beta-2 adrenoreceptor, ADRB2, B2AR
Gene ID:	11555
NCBI Accession:	NM_000024
UniProt:	P18762
Pathways:	cAMP Metabolic Process , Synaptic Membrane , Regulation of G-Protein Coupled Receptor Protein Signaling , Brown Fat Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

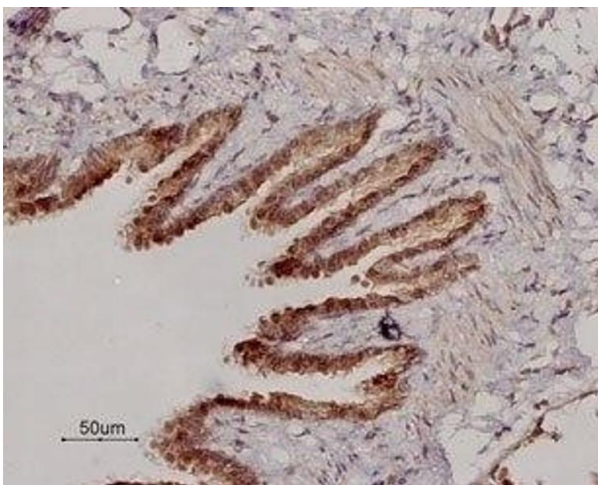
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.7 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



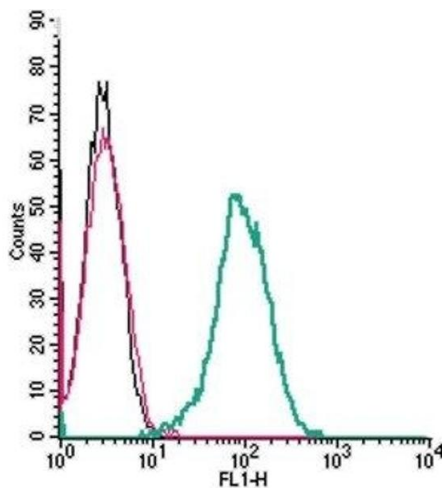
Western Blotting

Image 1. Western blot analysis of rat heart (lanes 1 and 3) and lung (lanes 2 and 4) lysates: - 1,3. Anti- β 2-Adrenergic Receptor (extracellular) Antibody (ABIN7042904, ABIN7043910 and ABIN7043911), (1:200).2.4. Anti- β 2-Adrenergic Receptor (extracellular) Antibody, preincubated with β 2-Adrenergic Receptor (extracellular) Blocking Peptide (#BLP-AR016).



Immunohistochemistry

Image 2. Expression of β 2-Adrenoceptor in rat lung - Immunohistochemical staining of paraffin-embedded section of rat lung using Anti- β 2-Adrenergic Receptor (extracellular) Antibody (ABIN7042904, ABIN7043910 and ABIN7043911), (1:100). β 2-Adrenoceptor is expressed in the respiratory epithelium. Hematoxylin is used as the counterstain.



Flow Cytometry

Image 3. Cell surface detection of β 2-Adrenergic Receptor by indirect flow cytometry in live intact mouse J774 macrophage cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC. (green line) Cells + Anti- β 2-Adrenergic Receptor (extracellular) Antibody (ABIN7042904, ABIN7043910 and ABIN7043911), (2.5 μ g) + goat-anti-rabbit-FITC