

Datasheet for ABIN7042897

anti-ADRA1B antibody (Extracellular, N-Term)

4 Images

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Overview

Quantity:	50 µL
Target:	ADRA1B
Binding Specificity:	AA 21-35, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA1B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KNANFTGPNQTSSNS, corresponding to amino acid residues 21-35 of human alpha1B-adrenoceptor
Isotype:	IgG
Characteristics:	Anti-α1B-Adrenergic Receptor (extracellular) Antibody (ABIN7042897, ABIN7043914 and ABIN7043915)) is a highly specific antibody directed against an extracellular epitope of the human α1B-adrenoceptor. The antibody can be used in western blot, immunohistochemistry, live cell imaging and indirect flow cytometry applications. It has been designed to recognize α1 B-adrenoceptor from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

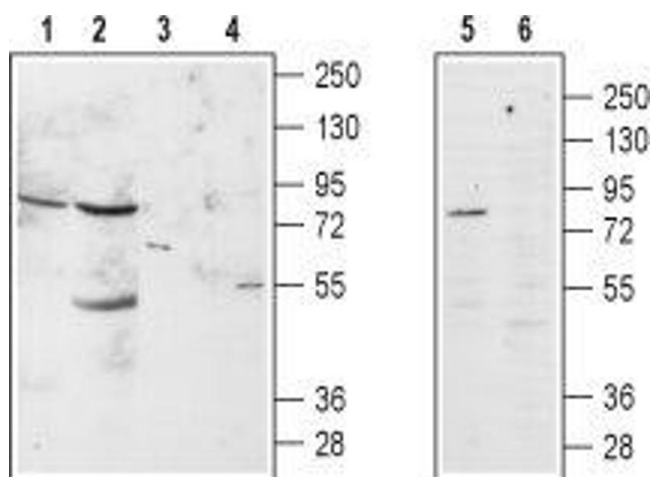
Target:	ADRA1B
Alternative Name:	alpha1B-Adrenergic Receptor (ADRA1B Products)
Background:	Alternative names: alpha1B-Adrenergic Receptor, Alpha-1B adrenoceptor, ADA1B, ADRA1B
Gene ID:	147
NCBI Accession:	NM_000679
UniProt:	P35368
Pathways:	AMPK Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process

Application Details

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

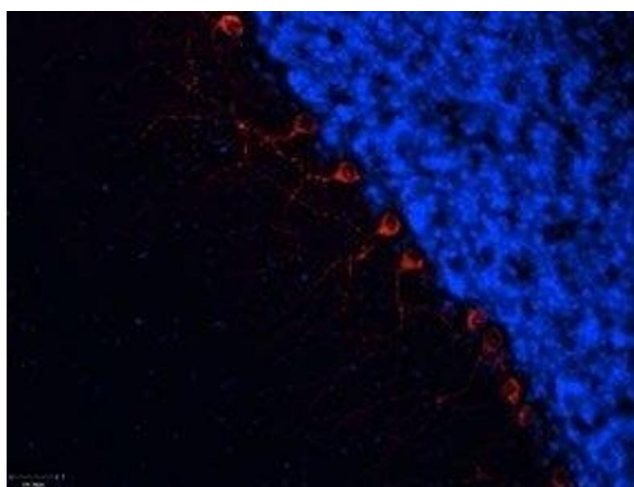
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



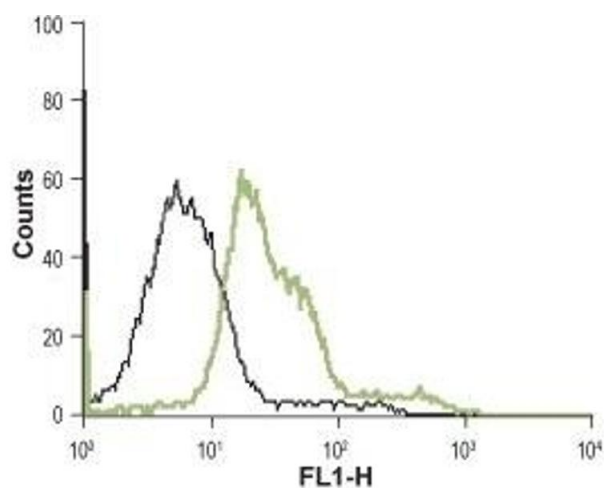
Western Blotting

Image 1. Western blot analysis of α1B-Adrenoceptor in rat brain (lanes 1 and 3), rat kidney (lanes 2 and 4) and GH3 cell line (lanes 5 and 6) lysates: - 1,2,5. Anti-α1B-Adrenergic Receptor (extracellular) Antibody (ABIN7042897, ABIN7043914 and ABIN7043915), (1:200).3,4,6. Anti-α1B-Adrenergic Receptor (extracellular) Antibody, preincubated with α1B-Adrenergic Receptor (extracellular) Blocking Peptide (#BLP-AR018).



Immunohistochemistry

Image 2. Expression of α1B-Adrenoceptor in rat cerebellum - Immunohistochemical staining of frozen section of rat cerebellum using Anti-α1B-Adrenergic Receptor (extracellular) Antibody (ABIN7042897, ABIN7043914 and ABIN7043915), (1:100). α1B-Adrenoceptor (red) is detected in Purkinje cells. Hoechst 33342 was used as the counterstain.



Flow Cytometry

Image 3. Cell surface detection of α1B-Adrenoceptor in GH3 living cells: (black line) Unstained cells. (green line) Cells + Anti-α1B-Adrenergic Receptor (extracellular) Antibody (ABIN7042897, ABIN7043914 and ABIN7043915), (10 μg/5x10⁵ cells).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7042897.