

Datasheet for ABIN7042908

anti-alpha 1 Adrenergic Receptor antibody (2nd Extracellular Loop, Cys176)[Go to Product page](#)**3** Images

Overview

Quantity:	25 µL
Target:	alpha 1 Adrenergic Receptor (ADRA1A)
Binding Specificity:	2nd Extracellular Loop, AA 171-183, Cys176
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha 1 Adrenergic Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: EDETI*SQINEEPG(C), corresponding to amino acid residues 171-183 of human alpha1A-adrenoceptor with replacement of cysteine 176 (C176) with serine (*S)
Isotype:	IgG
Characteristics:	Anti-alpha1A-Adrenergic Receptor (extracellular) Antibody is directed against an extracellular epitope of the human α 1A-adrenergic receptor. Anti- α 1A-Adrenergic Receptor (extracellular) Antibody (ABIN7042908, ABIN7043908 and ABIN7043909) can be used in western blot and immunohistochemistry applications. It has been designed to recognize α 1A-adrenoceptor from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

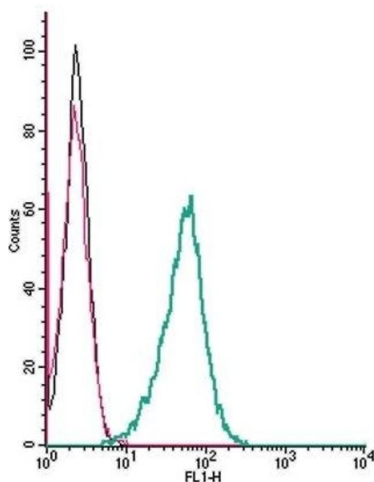
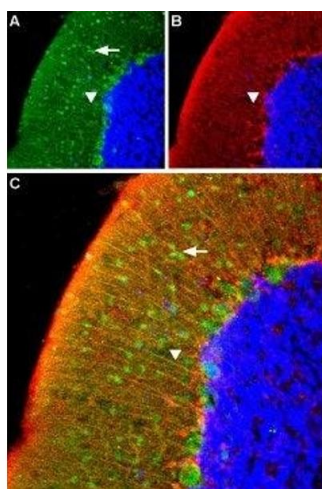
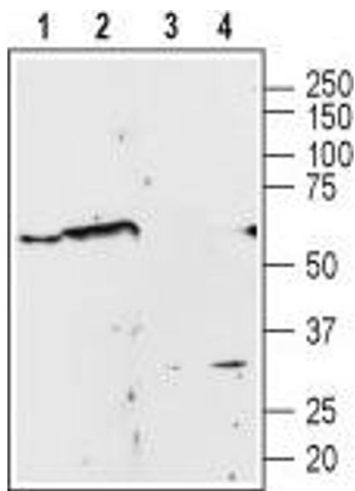
Target:	alpha 1 Adrenergic Receptor (ADRA1A)
Alternative Name:	alpha1A-Adrenergic Receptor (ADRA1A Products)
Background:	Alternative names: alpha1A-Adrenergic Receptor, Alpha-1A adrenoceptor, Alpha-1C adrenergic receptor, alpha1A-AR, ADRA1A
Gene ID:	148
NCBI Accession:	NM_033303
UniProt:	P35348
Pathways:	AMPK Signaling

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 Human PC3 prostate carcinoma cell line lysate (lanes 1 and 3) and rat brain membrane (lanes 2 and 4): - 1,2. Anti- α 1A-Adrenergic Receptor (extracellular) Antibody (ABIN7042908, ABIN7043908 and ABIN7043909), (1:200),3,4. Anti- α 1A-Adrenergic Receptor (extracellular) Antibody, preincubated with α 1A-Adrenergic Receptor (extracellular) Blocking Peptide (#BLP-AR015).

Immunohistochemistry

Image 2. Expression of α 1A-Adrenergic receptor in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti- α 1A-Adrenergic Receptor (extracellular) Antibody (ABIN7042908, ABIN7043908 and ABIN7043909), (1:100). A. α 1A-adrenoceptor (green) appears in fibers of Bergmann glia (triangle points at an example). B. S100 β (red), a marker of Bergmann glia, is stained in the same section. C. Merge of the images demonstrates expression of α 1A-adrenoceptor in fibers of Bergmann glia. α 1A-adrenoceptor is also expressed in cells in the molecular layer that are s100 β negative (arrow points at an example). DAPI is used as the counterstain (blue).

Flow Cytometry

Image 3. Cell surface detection of α 1A-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- α 1A-Adrenergic Receptor (extracellular) Antibody (ABIN7042908, ABIN7043908 and ABIN7043909), (2.5 μ g) + goat-anti-rabbit-FITC.