Datasheet for ABIN7042899

anti-ADRA2A antibody (Extracellular, N-Term)

4 Images

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Overview

Quantity:	25 µL
Target:	ADRA2A
Binding Specificity:	AA 7-20, Extracellular, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DAGNSSWNGTEAPG, corresponding to amino acid residues 7-20 of rat alpha2A-adrenoceptor
Isotype:	IgG
Characteristics:	Anti-α2A-Adrenergic Receptor (extracellular) Antibody (ABIN7042899, ABIN7043918 and ABIN7043919)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize α2A-adrenoceptor from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	ADRA2A
Alternative Name:	alpha2A-Adrenergic Receptor (ADRA2A Products)
Background:	Alternative names: alpha2A-Adrenergic Receptor, Alpha-2A adrenoceptor, Alpha-2D adrenergic Receptor, alpha-2AAR, ADA2A, ADRA2A
Gene ID:	25083
NCBI Accession:	NM_000681
UniProt:	P22909
Pathways:	EGFR Signaling Pathway, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Negative Regulation of Transporter Activity

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:	0.85 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).

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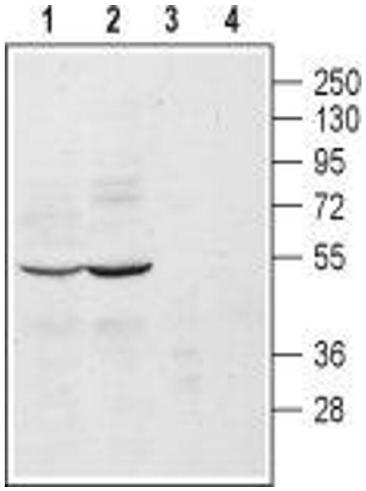
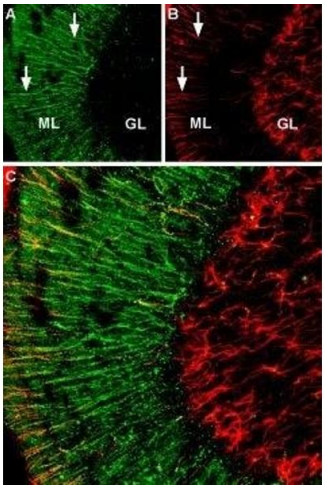


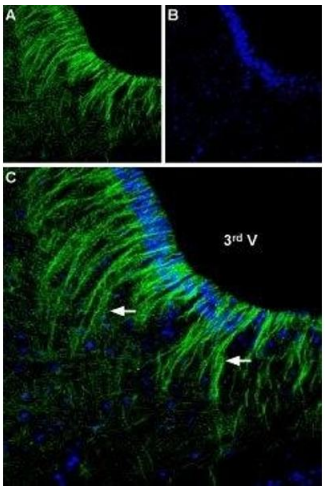
Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1, 2. Anti-α2A-Adrenergic Receptor (extracellular) Antibody (ABIN7042899, ABIN7043918 and ABIN7043919), (1:200).3, 4. Anti-α2A-Adrenergic Receptor (extracellular) Antibody, preincubated with α2A-Adrenergic Receptor (extracellular) Blocking Peptide (#BLP-AR020).



Immunohistochemistry

Image 2. Expression of α2A-Adrenoreceptor in rat cerebellum - Immunohistochemical staining of rat cerebellum free floating frozen section using Anti-α2A-Adrenergic Receptor (extracellular) Antibody (ABIN7042899, ABIN7043918 and ABIN7043919). A. α2A-Adrenoreceptor staining (green) appears in processes of Bergmann glia (white arrows) in the molecular layer (ML). B. Staining of the same section with mouse anti glial fibrillary acidic protein (GFAP) (red), demonstrates expression in both Bergmann glia and in granule layer (GL) astrocytes. C. Merged image of panel A and B demonstrating that α2A-adrenoreceptor expression is restricted to Bergmann glia. DAPI is used as the counterstain (blue).



Immunohistochemistry

Image 3. Expression of α2A-Adrenoreceptor in rat hypothalamus - Immunohistochemical staining of rat ventromedial hypothalamus free floating frozen section using Anti-α2A-Adrenergic Receptor (extracellular) Antibody (ABIN7042899, ABIN7043918 and ABIN7043919), (1:250). A. α2A-Adrenoreceptor staining (green) appears in astrocytic fibers (arrows) originating from the wall of the 3rd ventricle (3rd V). B. DAPI is used as the counterstain (blue). C. Merged image of panels A and B.

Images

Please check the product details page for more images. Overall 4 images are available for ABIN7042899.

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