Datasheet for ABIN7042882

anti-ADORA1 antibody (3rd Intracellular Loop)

4 Images

Go to Product page

Overview

Quantity:	25 µL
Target:	ADORA1
Binding Specificity:	3rd Intracellular Loop, AA 213-229
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KKVSASSGDPQKYYGKE, corresponding to amino acid residues 213-229 of human A1AR
Isotype:	IgG
Characteristics:	Anti-Adenosine A1 Receptor Antibody is directed against human adenosine A1 receptor. Anti-Adenosine A1 Receptor Antibody (ABIN7042882, ABIN7043894 and ABIN7043895)) can be used in western blot analysis, immunocytochemical and immunohistochemical applications. It has been designed to recognize adenosine A1R from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

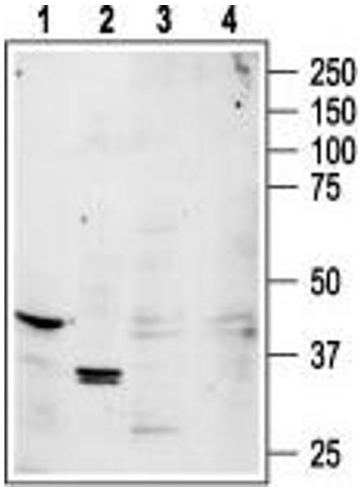
Target:	ADORA1
Alternative Name:	Adenosine A1 Receptor (ADORA1 Products)
Background:	Alternative names: Adenosine A1 Receptor, ADORA1, A1AR, Adenosine A1R
Gene ID:	134
NCBI Accession:	NM_000674
UniProt:	P30542
Pathways:	EGFR Signaling Pathway, Negative Regulation of Hormone Secretion, Synaptic Membrane

Application Details

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

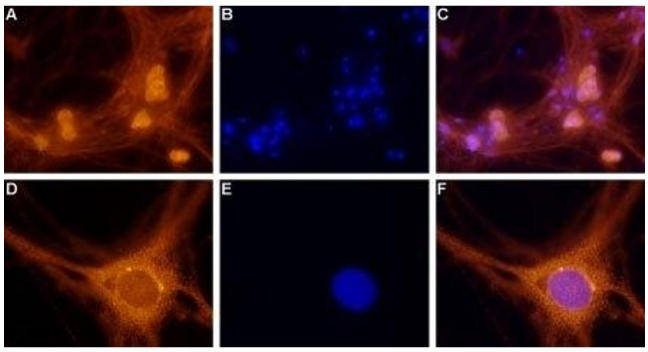
Handling

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).



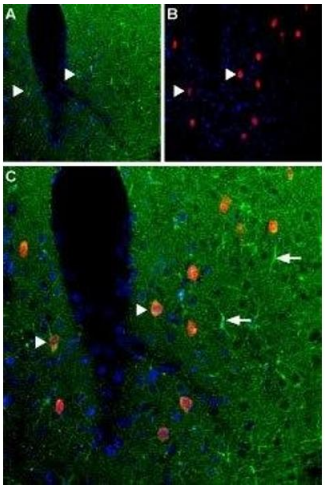
Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1, 3) and rat kidney (lanes 2, 4) lysates: - 1,2. Anti-Adenosine A1 Receptor Antibody (ABIN7042882, ABIN7043894 and ABIN7043895), (1:200).3,4. Anti-Adenosine A1 Receptor Antibody, preincubated with Adenosine A1 Receptor Blocking Peptide (#BLP-AR006).



Immunocytochemistry

Image 2. Expression of Adenosine A1 Receptor in rat DRG primary culture - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized rat dorsal root ganglion (DRG) primary culture.A. Staining of DRG cells with Anti-Adenosine A1 Receptor Antibody (ABIN7042882, ABIN7043894 and ABIN7043895) (1:100), followed by goat anti-rabbit AlexaFluor-555 secondary antibody.B. Nuclear staining of cells using the cell-permeable dye Hoechst 33342.C. Merged images of A and B.F. Merged images of D and E.Magnification:A-C: x20D-F: x100



Immunohistochemistry

Image 3. Expression of Adenosine A1 Receptor in rat cortex - Immunohistochemical staining of rat cortex frozen section using Anti-Adenosine A1 Receptor Antibody (ABIN7042882, ABIN7043894 and ABIN7043895). A. A1AR (green) appears in neurons (triangles) and in astrocytes (arrows). B. Parvalbumin staining (red) appears in cortical interneurons. C. Confocal merge of images demonstrates the existence of A1AR in a subset of cortical interneurons and astrocytes.

Please check the product details page for more images. Overall 4 images are available for ABIN7042882.