

Datasheet for ABIN7042889

anti-Adenosine A2b Receptor antibody (2nd Extracellular Loop, Cys154)[Go to Product page](#)

4 Images

Overview

Quantity:	25 µL
Target:	Adenosine A2b Receptor (ADORA2B)
Binding Specificity:	2nd Extracellular Loop, AA 147-166, Cys154
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: KDSATNN*STEPWDGTTNESC, corresponding to amino acid residues 147-166 of human A2BAR with replacement of cysteine 154 (C154) with serine (*S)
Isotype:	IgG
Characteristics:	Anti-Adenosine A2B Receptor (extracellular) Antibody (ABIN7042889, ABIN7043890 and ABIN7043891)) is a highly specific antibody directed against an extracellular epitope of human adenosine A2B receptor (A2BAR). The antibody can be used in western blot, immunohistochemistry, live cell imaging and indirect flow cytometry applications. It has been designed to recognize A2BAR from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

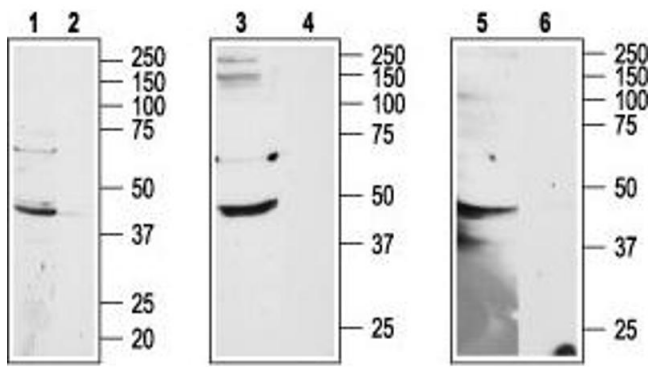
Target:	Adenosine A2b Receptor (ADORA2B)
Alternative Name:	Adenosine A2B Receptor (ADORA2B Products)
Background:	Alternative names: Adenosine A2B Receptor, ADORA2b, A2BAR, Adenosine A2bR
Gene ID:	136
NCBI Accession:	NM_000676
UniProt:	P29275
Pathways:	cAMP Metabolic Process , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

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

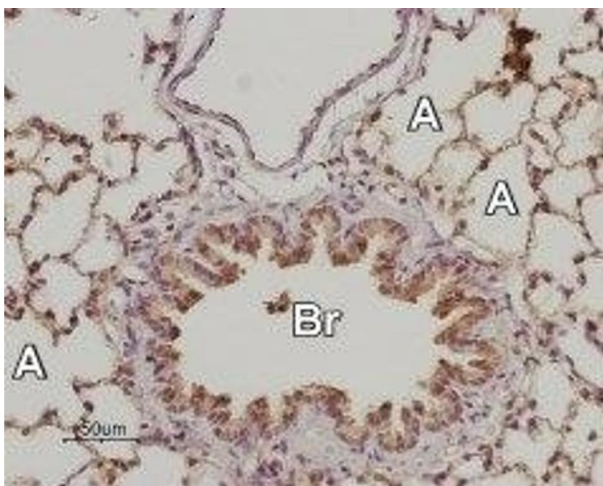
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 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).



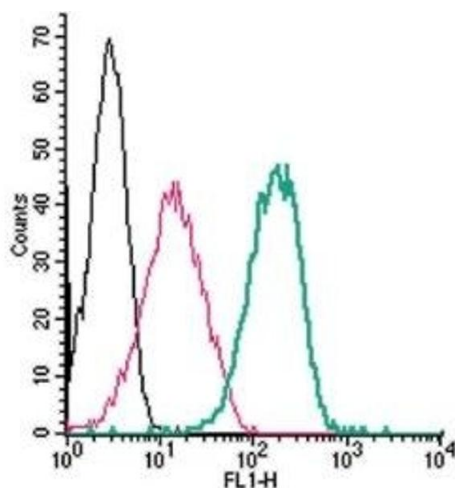
Western Blotting

Image 1. Western blot analysis of HL-60 (lanes 1 and 2) cell line, rat brain (lanes 3 and 4) and mouse brain (lanes 5 and 6) lysates: - 1,3,5. Anti-Adenosine A2B Receptor (extracellular) Antibody (ABIN7042889, ABIN7043890 and ABIN7043891), (1:200). 2,4,6. Anti-Adenosine A2B Receptor (extracellular) Antibody, preincubated with Adenosine A2B Receptor (extracellular) Blocking Peptide (#BLP-AR003).



Immunohistochemistry

Image 2. Expression of Adenosine A2B Receptor in rat lung - Immunohistochemical staining of rat lung paraffin embedded sections using Anti-Adenosine A2B Receptor (extracellular) Antibody (ABIN7042889, ABIN7043890 and ABIN7043891), (1:50). Staining is present in the respiratory epithelium of the bronchiole (Br) as well as in the pneumonocytes of the alveolar wall (alveoli, A). Color reaction was obtained with SuperPicture HRP-conjugated polymer (Zymed) followed by DAB. Hematoxylin is used as the counterstain.



Flow Cytometry

Image 3. Cell surface detection of Adenosine A2B Receptor by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-Adenosine A2B Receptor (extracellular) Antibody (ABIN7042889, ABIN7043890 and ABIN7043891), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7042889.