

Datasheet for ABIN7042884

anti-Adenosine A2a Receptor antibody (2nd Extracellular Loop)[Go to Product page](#)**3** Images

Overview

Quantity:	50 µL
Target:	Adenosine A2a Receptor (ADORA2A)
Binding Specificity:	2nd Extracellular Loop, AA 146-158
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenosine A2a Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CGQPKEGKNHSQG, corresponding to amino acid residues 146 - 158 of human adenosine A2A receptor
Isotype:	IgG
Cross-Reactivity (Details):	Will not recognize rat or mouse samples.
Characteristics:	Anti-Human Adenosine A2A Receptor (extracellular) Antibody (ABIN7042884, ABIN7043896 and ABIN7043897)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot and live cell flow cytometry applications. It has been designed to recognize A2AR from human samples only. The antibody will not recognize the receptor from mouse or rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

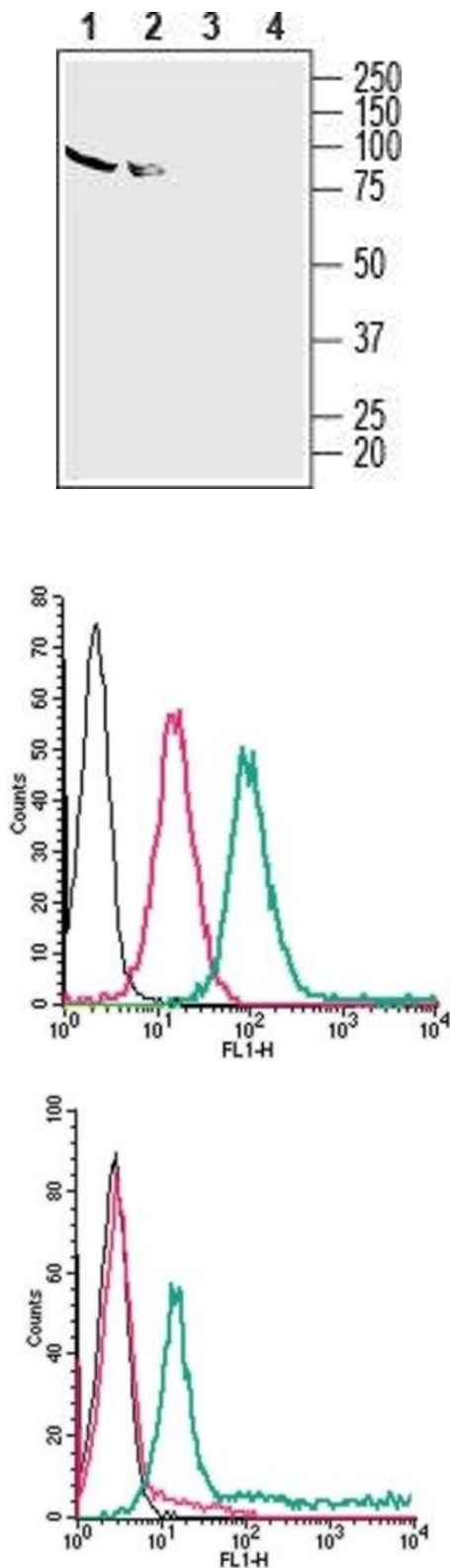
Target:	Adenosine A2a Receptor (ADORA2A)
Alternative Name:	Adenosine A2A Receptor (ADORA2A Products)
Background:	Alternative names: A2A Adenosine Receptor, Adenosine Receptor A2A, A2AR, ADORA2A
Gene ID:	135
NCBI Accession:	NM_000675
UniProt:	P29274
Pathways:	Neurotrophin Signaling Pathway , cAMP Metabolic Process , Synaptic Membrane , Feeding Behaviour , Cancer Immune Checkpoints

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 human HL-60 promyelocytic leukemia cell line lysate (lanes 1 and 3) and human Jurkat T-cell leukemia cell line lysate (lanes 2 and 4): - 1,2. Anti-Human Adenosine A2A Receptor (extracellular) Antibody (ABIN7042884, ABIN7043896 and ABIN7043897), (1:200).3,4. Anti-Human Adenosine A2A Receptor (extracellular) Antibody, preincubated with Human Adenosine A2A Receptor (extracellular) Blocking Peptide (#BLP-AR007).

Flow Cytometry

Image 2. Cell surface detection of ADORA2A in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-Human Adenosine A2A Receptor (extracellular) Antibody (ABIN7042884, ABIN7043896 and ABIN7043897), (2.5 µg) + goat-anti-rabbit-FITC.

Flow Cytometry

Image 3. Cell surface detection of ADORA2A in live intact human Jurkat T-cell leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-Human Adenosine A2A Receptor (extracellular) Antibody (ABIN7042884, ABIN7043896 and ABIN7043897), (2.5 µg) + goat-anti-rabbit-FITC.