Datasheet for ABIN7072300

Recombinant anti-Adenosine A2a Receptor antibody

1 Image

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Overview

Quantity:	200 µg
Target:	Adenosine A2a Receptor (ADORA2A)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This Adenosine A2a Receptor antibody is un-conjugated
Application:	ELISA, Blocking Peptide (BP)

Product Details

Purpose:	Anti-A2A-Adenosine Receptor [Ig2838], Mouse IgG1, kappa
Immunogen:	Human recombinant A2-adenosine receptor.
Clone:	Ig2838
Isotype:	IgG1 kappa
Specificity:	This antibody binds specifically to the human A2 adenosine receptor.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
Purification:	Protein A affinity purified

Target Details

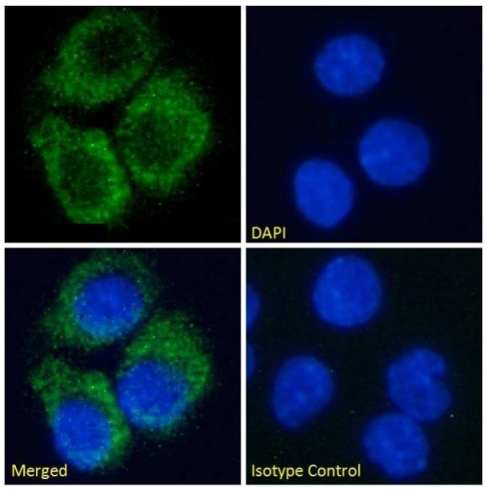
Target:	Adenosine A2a Receptor (ADORA2A)
Alternative Name:	A2A-Adenosine Receptor (ADORA2A Products)
Background:	ADORA2A
UniProt:	P29274
Pathways:	Neurotrophin Signaling Pathway, cAMP Metabolic Process, Synaptic Membrane, Feeding Behaviour, Cancer Immune Checkpoints

Application Details

Application Notes:	This antibody binds to the A2 adenosine receptor, a G-protein-coupled receptor for adenosine that, upon ligand binding, activates adenylyl cyclase. The antibody acts as an allosteric inhibitor.
Comment:	This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed HepG2 cells with anti-A2A-Adenosine Receptor antibody Ig2838. Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells on Shi-fix™ coverslips, permeabilized with 0.15 % Triton and stained with the chimeric mouse IgG1 version of Ig2838 (ABIN7072300) at 10 µg/mL for 1h followed by Alexa Fluor®488 secondary antibody (2 µg/mL), showing granular cytoplasmic staining, possibly of protein in trafficking vesicles. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072300, DAPI, merged channels and an isotype control. The isotype control was stained with an unknown specificity antibody (ABIN5668079) followed by Alexa Fluor®488 secondary antibody.