

Datasheet for ABIN7042891

**anti-Adenosine A3 Receptor antibody (3rd Intracellular Loop)****3** Images[Go to Product page](#)

## Overview

Quantity:	50 µL
Target:	Adenosine A3 Receptor (ADORA3)
Binding Specificity:	3rd Intracellular Loop, AA 216-230
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenosine A3 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KETGAFYGREFKTAK, corresponding to amino acid residues 216-230 of human A3AR
Isotype:	IgG
Characteristics:	Anti-Adenosine A3 Receptor Antibody is directed against an intracellular epitope of the human adenosine A3 receptor (A3AR). Anti-Adenosine A3 Receptor Antibody (ABIN7042891, ABIN7043892 and ABIN7043893)) can be used in western blot analysis, as well as immunocytochemical and immunohistochemical applications, and has been designed to recognize A3AR from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

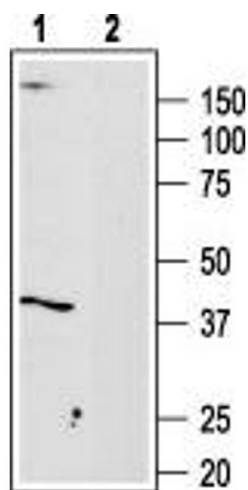
Target:	Adenosine A3 Receptor (ADORA3)
Alternative Name:	Adenosine A3 Receptor ( <a href="#">ADORA3 Products</a> )
Background:	Alternative names: Adenosine A3 Receptor, ADORA3, A3AR, Adenosine A3R
Gene ID:	140
UniProt:	<a href="#">P0DMS8</a>
Pathways:	<a href="#">Hormone Transport</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

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

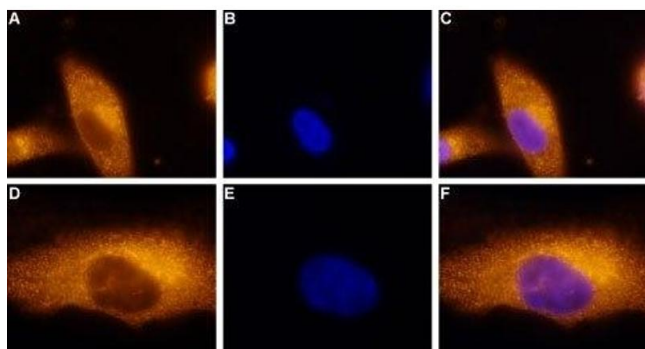
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.7 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>



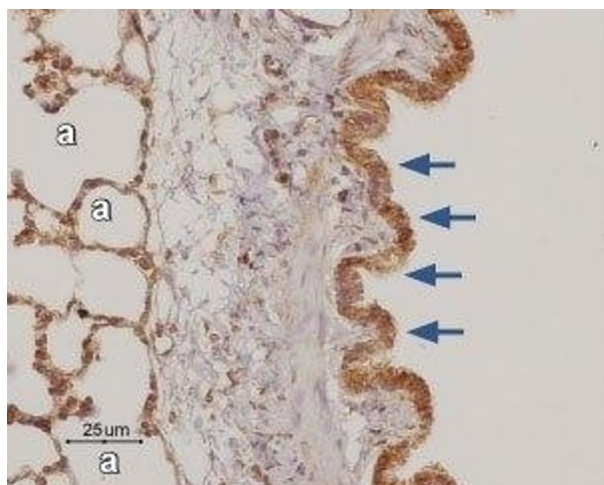
### Western Blotting

**Image 1.** Western blot analysis of Malme-3M cell lysate: - 1. Anti-Adenosine A3 Receptor Antibody (ABIN7042891, ABIN7043892 and ABIN7043893), (1:200). 2. Anti-Adenosine A3 Receptor Antibody, preincubated with Adenosine A3 Receptor Blocking Peptide (#BLP-AR004).



### Immunocytochemistry

**Image 2.** Expression of Adenosine A3 Receptor in a human melanoma cell line - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized human melanoma cells (A2058). A, D. Cells were stained using Anti-Adenosine A3 Receptor Antibody (ABIN7042891, ABIN7043892 and ABIN7043893), (1:100), followed by goat anti-rabbit AlexaFluor-555 secondary antibody. B, E. Nuclear fluorescence staining of cells using the membrane-permeable DNA dye Hoechst 33342. C. Merged image of panels A and B. F. Merged image of panels D and E.



### Immunohistochemistry

**Image 3.** Expression of Adenosine A3 Receptor in rat lung - Immunohistochemical staining of paraffin-embedded rat lung sections using Anti-Adenosine A3 Receptor Antibody (ABIN7042891, ABIN7043892 and ABIN7043893), (1:50). Staining is specific for respiratory epithelial cells of the bronchiole (arrows) and pneumonocytes in the alveolar wall (a). Hematoxylin is used as the counterstain.