Datasheet for ABIN6256930

# anti-Adenosine A2a Receptor antibody (Internal Region)

3 Images

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | Adenosine A2a Receptor (ADORA2A) |
| Binding Specificity: | Internal Region |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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|---|---|
| Immunogen: | A synthesized peptide derived from human ADORA2A, corresponding to a region within the internal amino acids. |
| Isotype: | IgG |
| Specificity: | ADORA2A Antibody detects endogenous levels of total ADORA2A. |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

| | |
|---|---|
| Target: | Adenosine A2a Receptor (ADORA2A) |
| Alternative Name: | ADORA2A (ADORA2A Products) |
| Background: | Description: Receptor for adenosine. The activity of this receptor is mediated by G proteins |

## Target Details

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|---|---|
| | which activate adenylyl cyclase.<br>Gene: ADORA2A |
| Molecular Weight: | 37 kDa |
| Gene ID: | 135 |
| UniProt: | P29274 |
| Pathways: | Neurotrophin Signaling Pathway, cAMP Metabolic Process, Synaptic Membrane, Feeding Behaviour, Cancer Immune Checkpoints |

## Application Details

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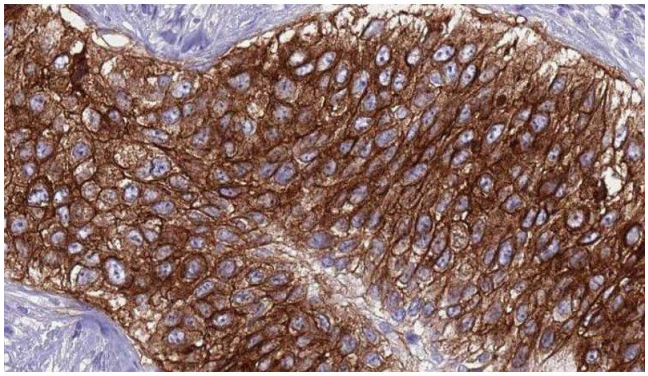
|---|---|
| Application Notes: | WB 1:500-1:1000, IHC: 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

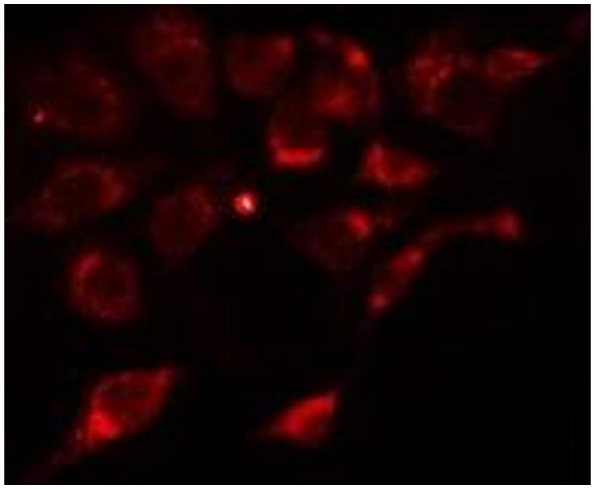
## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| 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: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



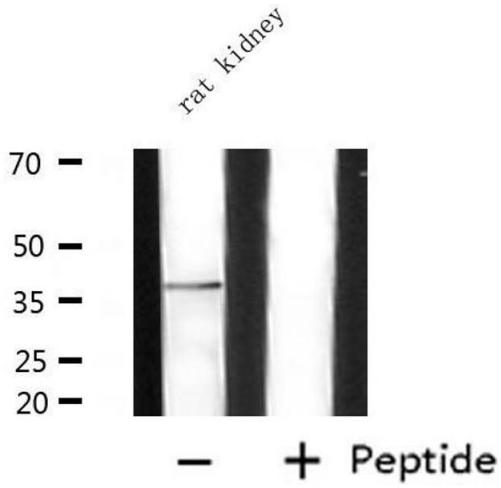
## Immunohistochemistry

**Image 1.** ABIN6275913 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



## Immunofluorescence (fixed cells)

**Image 2.** ABIN6275913 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod




## Western Blotting

**Image 3.** Western blot analysis of extracts from rat kidney, using ADORA2A Antibody.