

For Research Use Only

# Adenosine A1 Receptor Polyclonal antibody

Catalog Number: 55026-1-AP

8 Publications

## Basic Information

### Catalog Number:

55026-1-AP

### Size:

150ul, Concentration: 1000 µg/ml by Nanodrop and 473 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_000674

### GeneID (NCBI):

134

### UNIPROT ID:

P30542

### Full Name:

adenosine A1 receptor

### Calculated MW:

37 kDa

### Observed MW:

37 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, rat, mouse

### Positive Controls:

WB : SH-SY5Y cells,

IHC : mouse cerebellum tissue, mouse brain tissue, mouse testis tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

ADORA1, also named as RDC7, is a receptor for adenosine. It is mediated by G proteins which inhibit adenylyl cyclase. Adenosine is an important mediator of ethanol intoxication and exerts some of its effects via ADORA1 in the central nervous system. The antibody is specific to ADORA1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tina M Burke	26378246	Sci Transl Med	WB
Troy A Hackett	30315630	Anat Rec (Hoboken)	IHC, IF
Sen Chen	35468537	Bioorg Med Chem	WB

## Storage

### Storage:

Store at -20°C.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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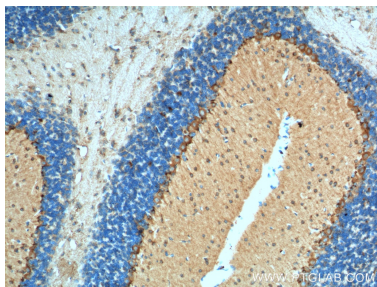
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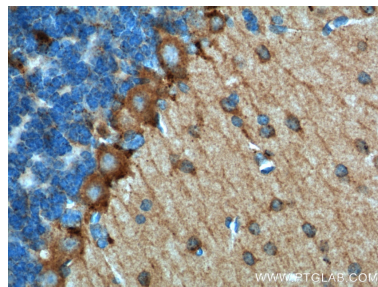
## Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 55026-1-AP (Adenosine A1 Receptor antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 55026-1-AP (Adenosine A1 Receptor antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 55026-1-AP (Adenosine A1 Receptor antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).