

For Research Use Only

# Adenosine A1 Receptor Polyclonal antibody

Catalog Number: 20332-1-AP

4 Publications



## Basic Information

Catalog Number:

20332-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14092

GenBank Accession Number:

BC026340

GeneID (NCBI):

134

UNIPROT ID:

P30542

Full Name:

adenosine A1 receptor

Calculated MW:

326 aa, 37 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, FC (Intra)

Species Specificity:

human, mouse

Cited Species:

human, mouse

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

Positive Controls:

WB: mouse eye tissue,

IHC: mouse brain tissue, mouse cerebellum tissue

FC (Intra): SH-SY5Y cells,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ting Xu	39970135	Am J Physiol Cell Physiol	WB
Hu Guo	39430133	J Orthop Translat	WB,IF
Chuanxin Zhang	39060559	Cell Biol Toxicol	IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

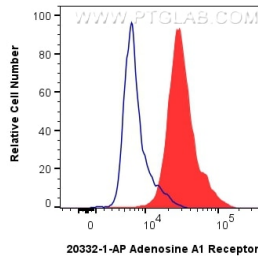
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

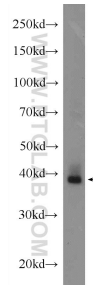
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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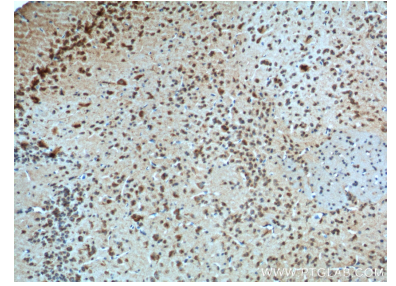
## Selected Validation Data



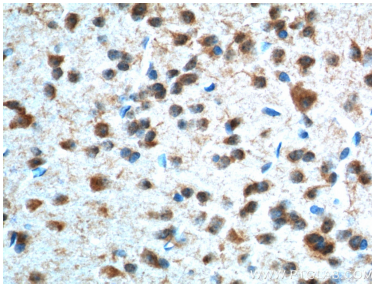
1x10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug Adenosine A1 Receptor Polyclonal antibody (20332-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



mouse eye tissue were subjected to SDS PAGE followed by western blot with 20332-1-AP (Adenosine A1 Receptor antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20332-1-AP (Adenosine A1 Receptor antibody at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20332-1-AP (Adenosine A1 Receptor antibody at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).