

For Research Use Only

# ADORA2A Polyclonal antibody, PBS Only

Catalog Number: 51092-1-PBS



## Basic Information

Catalog Number:

51092-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0470

GenBank Accession Number:

BC013780

GeneID (NCBI):

135

UNIPROT ID:

P29274

Full Name:

adenosine A2a receptor

Calculated MW:

412 aa, 45 kDa

Observed MW:

38 kDa, 40-45 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

Adenosine (ADO) is a retaliatory metabolite that is expressed in conditions of injury or stress. Its physiological functions are mediated through interaction with four specific transmembrane receptors called ADORA1, ADORA2A, ADORA2B, and ADORA3 (PMID:23994158). ADORA2A (adenosine A2A receptor) has been shown to dampen inflammatory responses. ADORA2A signaling has been discovered on polymorphonuclear neutrophils (PMNs) (PMID:36009485).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

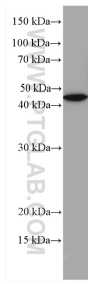
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

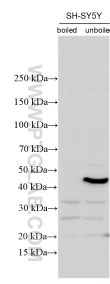
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

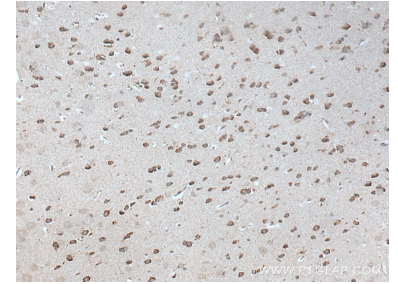
## Selected Validation Data



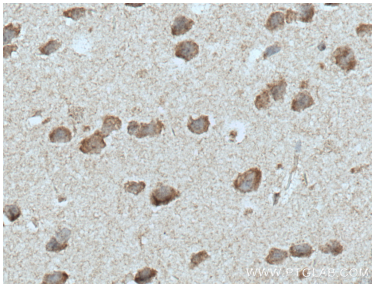
mouse brain tissue were subjected to SDS PAGE followed by western blot with 51092-1-AP (ADORA2A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 51092-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 51092-1-AP (ADORA2A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 51092-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 51092-1-AP (ADORA2A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 51092-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 51092-1-AP (ADORA2A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 51092-1-PBS in a different storage buffer formulation.