

For Research Use Only

ADORA2A Polyclonal antibody

Catalog Number: 51092-1-AP

8 Publications



Basic Information

Catalog Number:

51092-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

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:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 brain tissue, rat brain tissue

IHC : mouse brain tissue,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Ningning Wang	36313960	J Pharm Anal	WB
Yiqiong Liu	35306759	Adv Sci (Weinh)	
Yuzhuo Fan	35724635	Ophthalmic Res	WB

Storage

Storage:

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

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

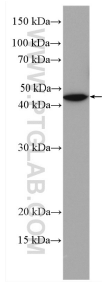
For technical support and original validation data for this product please contact:

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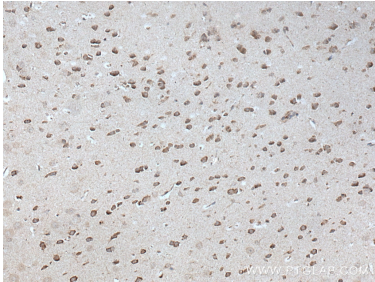
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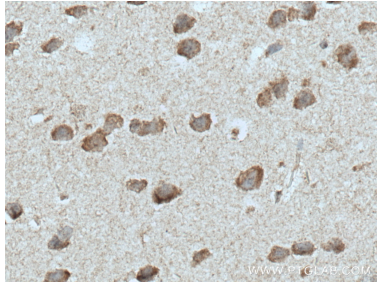
Selected Validation Data



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.



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).



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).