

For Research Use Only

ADORA2A Polyclonal antibody

Catalog Number: 51092-1-AP **6 Publications**



Basic Information

Catalog Number: 51092-1-AP	GenBank Accession Number: BC013780	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 135	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P29274	
Isotype: IgG	Full Name: adenosine A2a receptor	
Immunogen Catalog Number: AG0470	Calculated MW: 412 aa, 45 kDa Observed MW: 40-45 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : mouse brain tissue,
Cited Applications: IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	
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

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

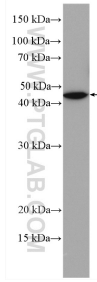
Storage

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

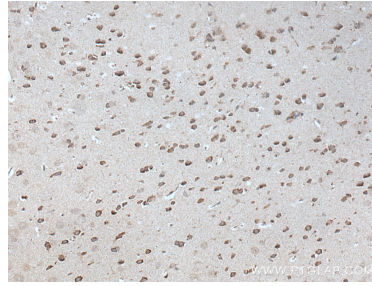
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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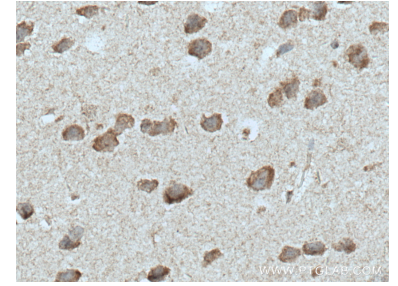
Selected Validation Data



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).