

For Research Use Only

ADCY5 Polyclonal antibody, PBS Only

Catalog Number: 30153-1-PBS



Basic Information

Catalog Number:

30153-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32812

GenBank Accession Number:

NM_183357

GeneID (NCBI):

111

UNIPROT ID:

O95622

Full Name:

adenylate cyclase 5

Calculated MW:

139 kDa

Observed MW:

~150 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

ADCY5 belongs to the adenylate cyclase (ADCY) superfamily which is a group of glycoproteins regulating intracellular signaling (PMID: 35832555). ADCY5 is expressed only in neurons and all neurons express ADCY5 (PMID: 31970214). Gain-of-function mutations in ADCY5 is linked to a rare movement-onset disorder called ADCY5-related dyskinesia (PMID: 32627162).

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:

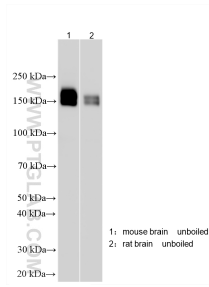
T: 4006900926

E: Proteintech-CN@ptglab.com

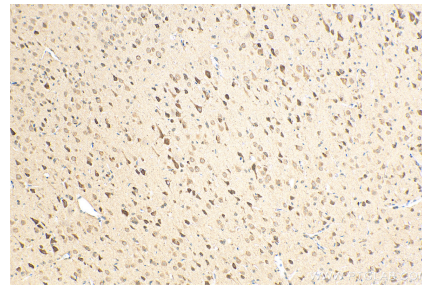
W: ptgcn.com

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

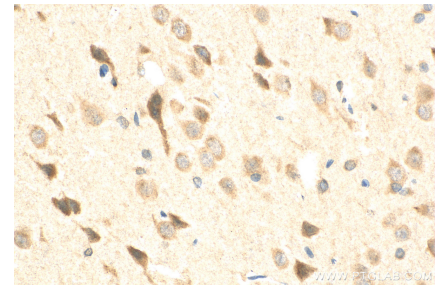
Selected Validation Data



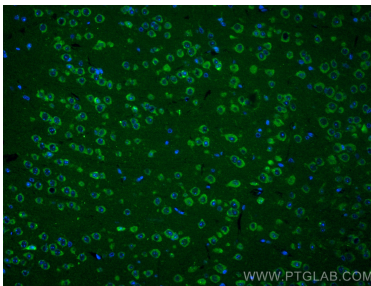
Various lysates were subjected to SDS PAGE followed by western blot with 30153-1-AP (ADCY5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30153-1-PBS in a different storage buffer formulation.



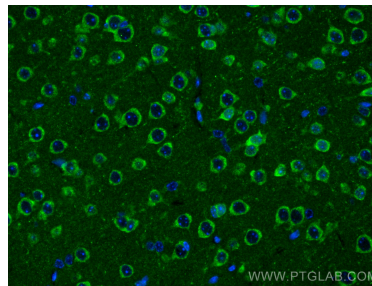
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30153-1-AP (ADCY5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30153-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30153-1-AP (ADCY5 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 30153-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using ADCY5 antibody (30153-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 30153-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using ADCY5 antibody (30153-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 30153-1-PBS in a different storage buffer formulation.