

For Research Use Only

ADCY5 Polyclonal antibody, PBS Only

Catalog Number:30153-1-PBS



Basic Information

Catalog Number: 30153-1-PBS	GenBank Accession Number: NM_183357	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 111	
Source: Rabbit	UNIPROT ID: O95622	
Isotype: IgG	Full Name: adenylate cyclase 5	
Immunogen Catalog Number: AG32812	Calculated MW: 139 kDa	
	Observed MW: ~150 kDa	

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.
Storage Buffer:
PBS only, pH7.3

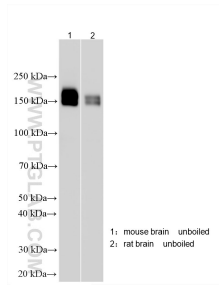
For technical support and original validation data for this product please contact:

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

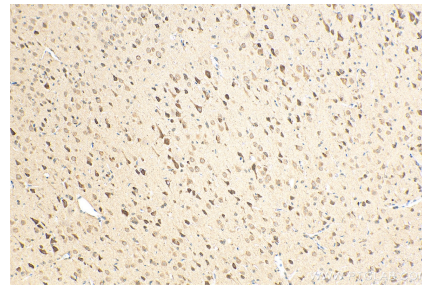
E: proteintech@ptglab.com
W: ptglab.com

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

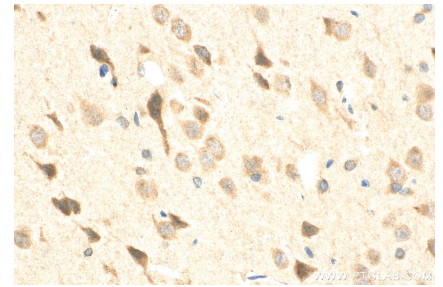
Selected Validation Data



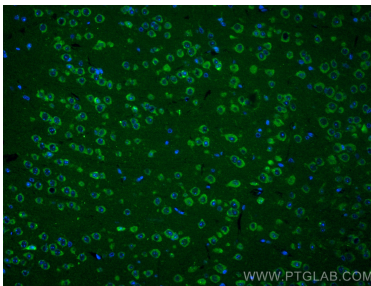
Various lysates were subjected to SDS PAGE followed by western blot with 30153-1-AP (ADCY5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30153-1-PBS in a different storage buffer formulation.



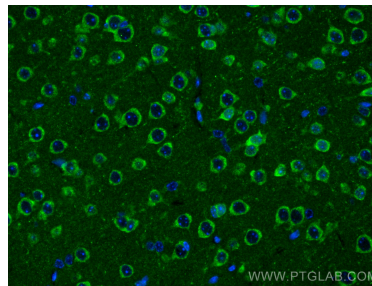
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30153-1-AP (ADCY5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30153-1-PBS in a different storage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