

For Research Use Only

# ADCY5 Polyclonal antibody

Catalog Number: 30153-1-AP



## Basic Information

<b>Catalog Number:</b> 30153-1-AP	<b>GenBank Accession Number:</b> NM_183357	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 111	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> adenylate cyclase 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 139 kDa	
<b>Immunogen Catalog Number:</b> AG32812	<b>Observed MW:</b> 139 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, ELISA	<b>Positive Controls:</b> IHC : rat brain tissue, IF : mouse brain tissue,
<b>Species Specificity:</b> 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**

## 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

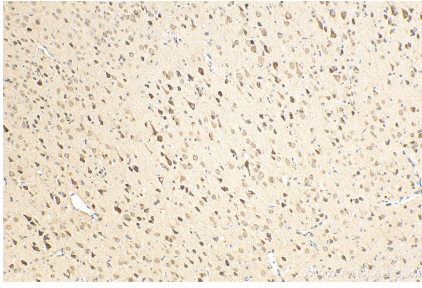
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

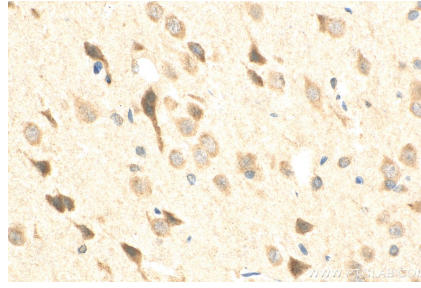
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

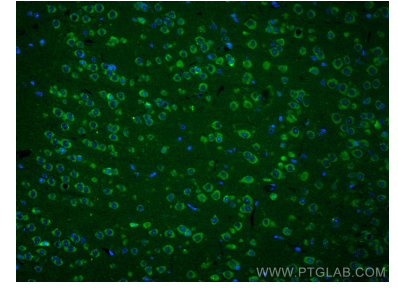
## Selected Validation Data



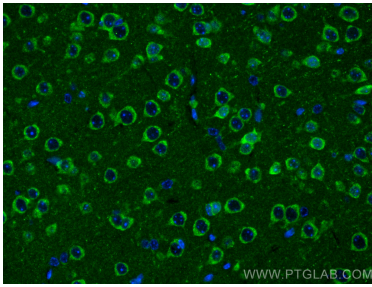
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30153-1-AP (ADCY5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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).