

For Research Use Only

ADCY5 Polyclonal antibody

Catalog Number: 30153-1-AP

1 Publications



Basic Information

Catalog Number: 30153-1-AP	GenBank Accession Number: NM_183357	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 111	Recommended Dilutions: IHC 1:50-1:500 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: O95622	
Isotype: IgG	Full Name: adenylate cyclase 5	
Immunogen Catalog Number: AG32812	Calculated MW: 139 kDa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC	IHC : rat brain tissue,
Species Specificity: human, mouse, rat	IF-P : mouse brain tissue,
Cited Species: human	
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Chaojun Zhu	39104385	Front Pharmacol	WB,IHC

Storage

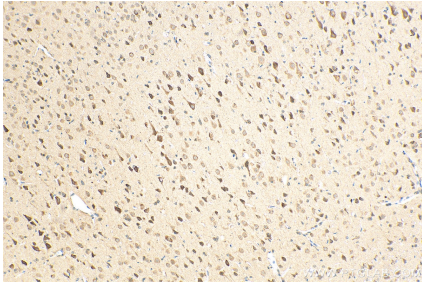
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

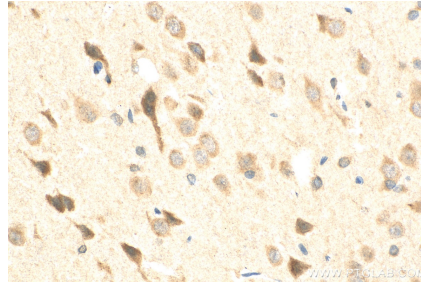
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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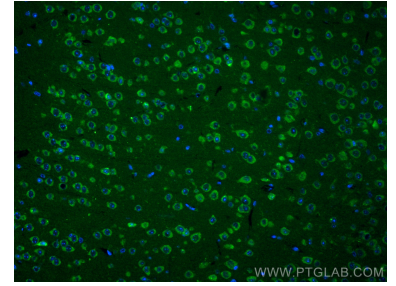
Selected Validation Data



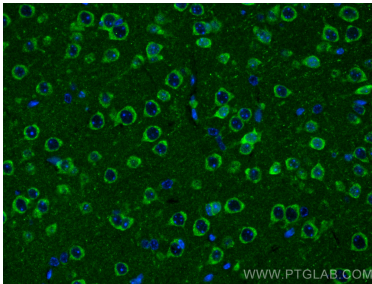
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30153-1-AP (ADCY5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).