

For Research Use Only

ADCY1 Polyclonal antibody

Catalog Number: 55067-1-AP **1 Publications**



Basic Information

Catalog Number: 55067-1-AP	GenBank Accession Number: NM_021116	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 533 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 107	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: adenylate cyclase 1 (brain)	
Isotype: IgG	Calculated MW: 123 kDa	
	Observed MW: 123 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, IHC : mouse brain tissue,
Cited Applications: IF	
Species Specificity: human, mouse	
Cited Species: pig	
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

ADCY1 belongs to the adenylyl cyclase class-4/guanylyl cyclase family. It is a calmodulin-sensitive adenylyl cyclase. ADCY1 may be involved in regulatory processes in the central nervous system. It may play a role in memory acquisition and learning. The antibody is specific to ADCY1.

Notable Publications

Author	Pubmed ID	Journal	Application
Samuel J. Bose	36105228	Front Pharmacol	IF

Storage

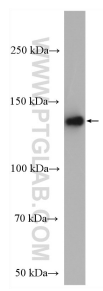
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

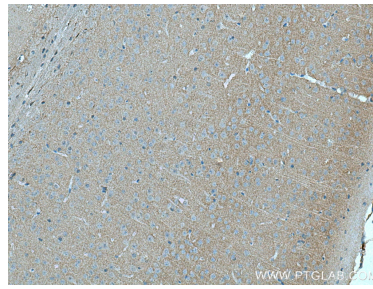
For technical support and original validation data for this product please contact:
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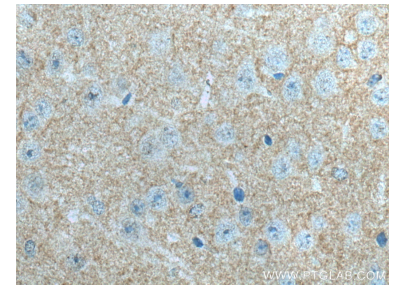
Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 55067-1-AP (ADCY1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55067-1-AP (ADCY1 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 55067-1-AP (ADCY1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).