

For Research Use Only

# ADCY1 Polyclonal antibody

Catalog Number: 55067-1-AP

3 Publications



## Basic Information

Catalog Number:

55067-1-AP

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_021116

GeneID (NCBI):

107

UNIPROT ID:

Q08828

Full Name:

adenylate cyclase 1 (brain)

Calculated MW:

123 kDa

Observed MW:

123 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : SH-SY5Y cells,

IHC : mouse brain tissue,

## 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
Yini Liao	39413138	Proc Natl Acad Sci U S A	WB
Yaqin Zhang	39186314	Diabetes	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

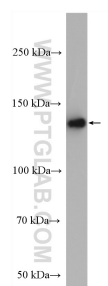
T: 4006900926

E: Proteintech-CN@ptglab.com

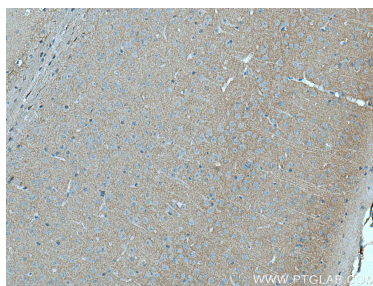
W: ptgcn.com

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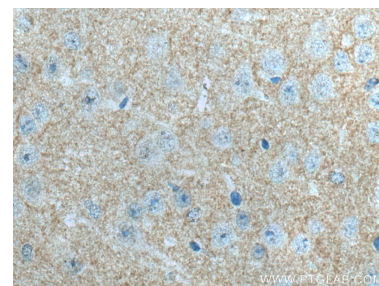
## Selected Validation Data



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).