

For Research Use Only

ADCY1 Polyclonal antibody

Catalog Number: 55067-1-AP

3 Publications



Basic Information

Catalog Number:

55067-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 533 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

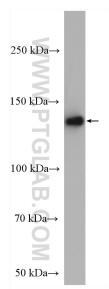
For technical support and original validation data for this product please contact:

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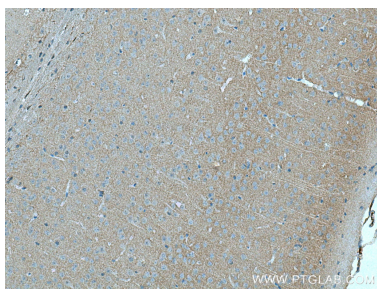
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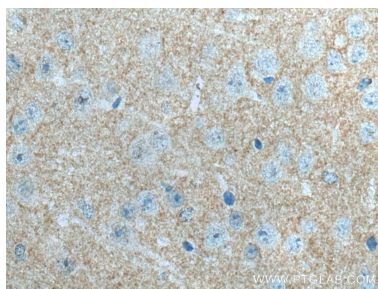
Selected Validation Data



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).