

For Research Use Only

GAD1 Polyclonal antibody, PBS Only

Catalog Number: 10408-1-PBS

Featured Product



Basic Information

Catalog Number:

10408-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0666

GenBank Accession Number:

BC002815

GeneID (NCBI):

2571

UNIPROT ID:

Q99259

Full Name:

glutamate decarboxylase 1 (brain, 67kDa)

Calculated MW:

67 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-Fro, IP, ELISA

Species Specificity:

human, mouse, rat

Background Information

The GAD1 (glutamate decarboxylase 1) gene encodes 67 kDa glutamic acid decarboxylase isoform (GAD67), the rate-limiting enzyme responsible for γ -aminobutyric acid (GABA) biosynthesis from glutamic acid and the major GAD isoform in the human brain for early brain development (PMID:21302352). It is also potentially involved in variety of skin activities. It belongs to the group II decarboxylase family.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

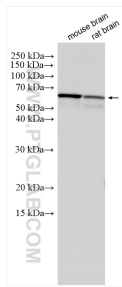
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

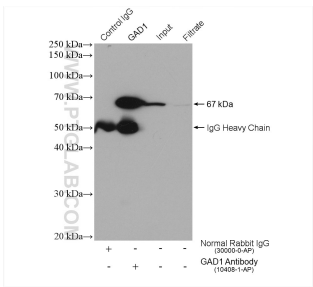
E: proteintech@ptglab.com
W: ptglab.com

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

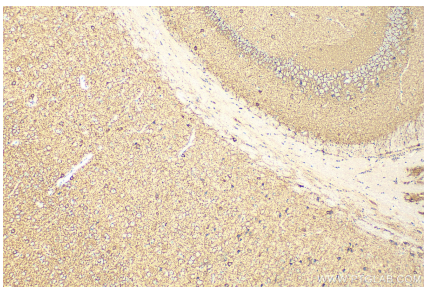
Selected Validation Data



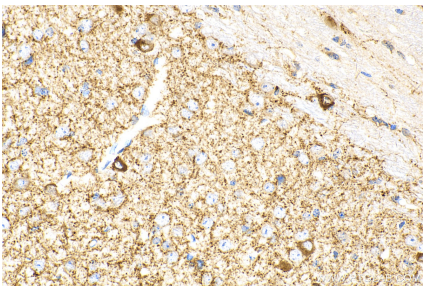
Various lysates were subjected to SDS PAGE followed by western blot with 10408-1-AP (GAD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10408-1-PBS in a different storage buffer formulation.



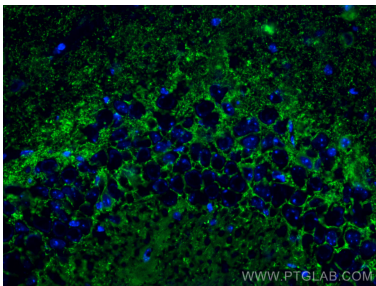
IP result of anti-GAD1 (IP:10408-1-AP, 4ug; Detection:10408-1-AP 1:500) with mouse brain tissue lysate 1920 ug. This data was developed using the same antibody clone with 10408-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10408-1-AP (GAD1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10408-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10408-1-AP (GAD1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10408-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using GAD1 antibody (10408-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 10408-1-PBS in a different storage buffer formulation.