

For Research Use Only

GAD65 Recombinant antibody

Catalog Number: 85750-1-RR



Basic Information

Catalog Number:

85750-1-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000818

GeneID (NCBI):

2572

UNIPROT ID:

Q05329

Full Name:

glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)

Calculated MW:

65 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

CloneNo.:

250044B5

Recommended Dilutions:

WB 1:20000-1:100000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse cerebellum tissue, human cerebellum tissue, mouse brain tissue, rat brain tissue

Background Information

GAD2, also named as GAD65, belongs to the group II decarboxylase family. GAD2 catalyzes the production of GABA. It is responsible for the synthesis of the essential neurotransmitter gamma-aminobutyric acid (GABA) from L-glutamic acid. GAD2 is expressed in nervous and endocrine systems and are thought to be involved in synaptic transmission and INS secretion. Autoantibodies against GAD2 may serve as markers for type I diabetes. Many individuals suffering from an adult onset disorder known as Stiff Person Syndrome (SPS) also express autoantibodies to GAD2. The antibody is specific to GAD2.

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

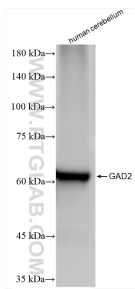
For technical support and original validation data for this product please contact:

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

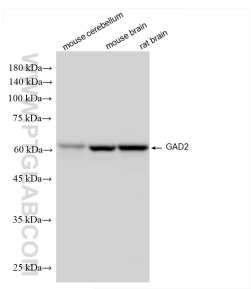
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



human cerebellum tissue were subjected to SDS PAGE followed by western blot with 85750-1-RR (GAD2 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 85750-1-RR (GAD2 antibody) at dilution of 1:300000 incubated at room temperature for 1.5 hours.