

For Research Use Only

# GAD65 Recombinant antibody, PBS Only

Catalog Number: 85750-1-PBS



## Basic Information

**Catalog Number:**

85750-1-PBS

**Size:**

100ug, Concentration: 1 mg/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

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

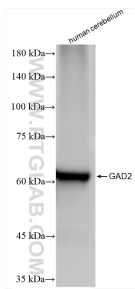
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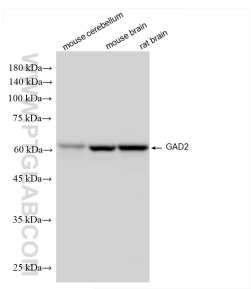
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## Selected Validation Data



human cerebellum tissue were subjected to SDS PAGE followed by western blot with 85750-1-RR (GAD2 antibody) at dilution of 1:300000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85750-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 85750-1-PBS in a different storage buffer formulation.