

GAD65/GAD2 Rabbit mAb

Catalog No.: A22728 **Recombinant** **1 Publications**

Basic Information

Observed MW

65kDa

Calculated MW

65kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC58332

Background

This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantibody and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Alternative splicing results in multiple transcript variants that encode the same protein.

Recommended Dilutions

WB 1:30000 - 1:100000**IP** 0.5µg-4µg antibody for
200µg-600µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

2572

Swiss Prot

Q05329

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

GAD65; GAD65/GAD2

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

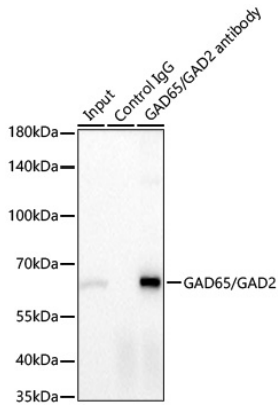
Affinity purification

Storage

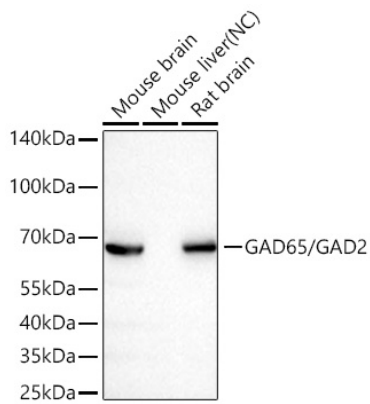
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation of GAD65/GAD2 from 600 µg extracts of Mouse brain was performed using 2 µg of GAD65/GAD2 Rabbit mAb (A22728). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using GAD65/GAD2 Rabbit mAb (A22728) at a dilution of 1:70000.



Western blot analysis of various lysates using GAD65/GAD2 Rabbit mAb (A22728) at 1:73000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): Mouse liver. Exposure time: 20s.