

GAD2

Reactivity: Human

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:20 - 1:50

Calculated MW: 65kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human GAD2

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

GAD2; GAD65;

Catalog #: A0779

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2572

Isotype: IgG

Swiss Prot: Q05329

Purity: Affinity purification

For research use only.

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.

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