

Glutamate Decarboxylase 2 (GAD2) Antibody (Biotin)

Catalogue No.: abx273244

Glutamate Decarboxylase 2 (GAD2) Antibody (Biotin) is a Rabbit Polyclonal antibody conjugated to Biotin against Glutamate Decarboxylase 2 (GAD2). 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.

Target:	Glutamate Decarboxylase 2 (GAD2)
Clonality:	Polyclonal
Reactivity:	Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 0.5-2 µg/ml, IHC: 5-20 µg/ml, IF/ICC: 5-20 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Biotin
Isotype:	IgG
Form:	Liquid
Purification:	Purified by antigen-specific affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q05683 (UniProt , ExPASy)
Gene Symbol:	GAD2
GeneID:	24380
KEGG:	rno:24380
Ensembl:	ENSRNOG00000018200
String:	10116.ENSARNOP00000024901

Datasheet

Version: 2.0.0

Revision date: 30 Sep 2025



Buffer: 0.01 M PBS, pH 7.4, containing 0.05% Proclin-300, 50% glycerol.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only