

Glutamate Decarboxylase 2 (GAD2) Antibody

Catalogue No.: abx172577

This product is currently in development. The lead time for this product may be several months. Please contact us at info@abbexa.com for an updated lead time before purchasing this product.

Glutamate Decarboxylase 2 (GAD2) Antibody is a Mouse Monoclonal antibody 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:	Monoclonal
Reactivity:	Human
Tested Applications:	WB, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	WB: 0.01-2 µg/ml, IHC: 5-20 µg/ml, IF/ICC: 5-20 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Form:	Liquid
Purification:	Purified by Protein A and Protein G affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q05329 (UniProt , ExPASy)
Gene Symbol:	GAD2
GeneID:	2572
OMIM:	138275
NCBI Accession:	NM_000818.2, NM_001134366.1
HGNC:	4093

Datasheet

Version: 2.0.0

Revision date: 18 Jul 2025



KEGG: hsa:2572

Ensembl: ENSG00000136750

String: [9606.ENSP00000365437](#)

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