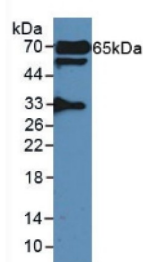
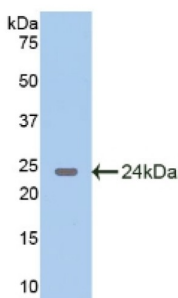


## Glutamate Decarboxylase 2 (GAD2) Antibody

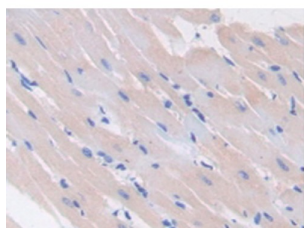
Catalogue No.: abx103250



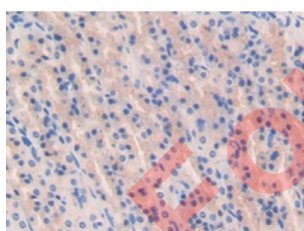
Western blot analysis of Rat Serum.



Western blot analysis of recombinant Rat GAD2.



IHC-P analysis of Rat Heart Tissue, with DAB staining.



IHC-P analysis of Rat Stomach Tissue, with DAB staining.

Polyclonal Antibody to 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)

# Datasheet

Version: 3.0.0  
Revision date: 09 Aug 2025



Clonality:	Polyclonal
Reactivity:	Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 0.01-5 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
Immunogen:	GAD2 (Met188-Ser374)
Form:	Liquid
Purification:	Purified by antigen-specific affinity chromatography, followed by Protein A affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q05683 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
Gene Symbol:	GAD2
GeneID:	<a href="#">24380</a>
KEGG:	rno:24380
Ensembl:	ENSRNOG00000018200
String:	<a href="#">10116.ENSRNOP00000024901</a>
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.