

Datasheet for ABIN655175
anti-GAD antibody (C-Term)



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1 Image

Overview

Quantity:	400 µL
Target:	GAD (GAD1)
Binding Specificity:	AA 514-543, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This GAD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 514-543 amino acids from the C-terminal region of human GAD1.
Clone:	RB19329
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GAD (GAD1)
Alternative Name:	GAD1 (GAD1 Products)
Background:	This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major

Target Details

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 autoantigen and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Deficiency in this enzyme has been shown to lead to pyridoxine dependency with seizures. Alternative splicing of this gene results in two products, the predominant 67-kD form and a less-frequent 25-kD form.

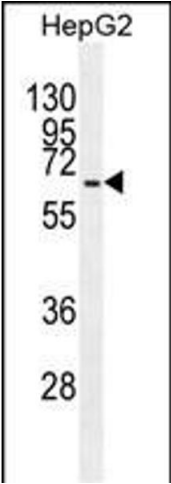
Molecular Weight:	66897
Gene ID:	2571
NCBI Accession:	NP_000808 , NP_038473
UniProt:	Q99259

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. GAD1 Antibody (C-term) (ABIN655175 and ABIN2844793) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the GAD1 antibody detected the GAD1 protein (arrow).