

Datasheet for ABIN7437563
anti-GAD antibody (AA 1-97)



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1 Image

Overview

Quantity:	100 µL
Target:	GAD (GAD1)
Binding Specificity:	AA 1-97
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Glutamate Decarboxylase 1, Brain (GAD1)
Immunogen:	Recombinant Glutamate Decarboxylase 1, Brain (GAD1) corresponding to Met1~Leu97 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against GAD1. It has been selected for its ability to recognize GAD1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

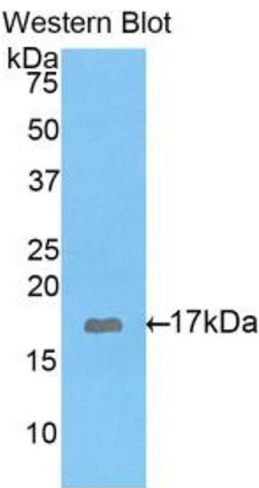
Target:	GAD (GAD1)
Alternative Name:	GAD1 (GAD1 Products)
Background:	GAD67, SCP, 67 kDa glutamic acid decarboxylase, Glutamate decarboxylase 67 kDa isoform
UniProt:	P48318

Application Details

Application Notes:	Western blotting: 0.01-5 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of recombinant GAD1 using Polyclonal Antibody to Glutamate Decarboxylase 1, Brain (GAD1)