

Datasheet for ABIN1539901
anti-GAD65 antibody (AA 445-473)



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2 Images

Overview

Quantity:	400 µL
Target:	GAD65 (GAD2)
Binding Specificity:	AA 445-473
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GAD65 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This GAD2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 445-473 amino acids from human GAD2.
Clone:	458CT17-2-4
Isotype:	IgG1
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	GAD65 (GAD2)
Alternative Name:	GAD2 (GAD2 Products)

Target Details

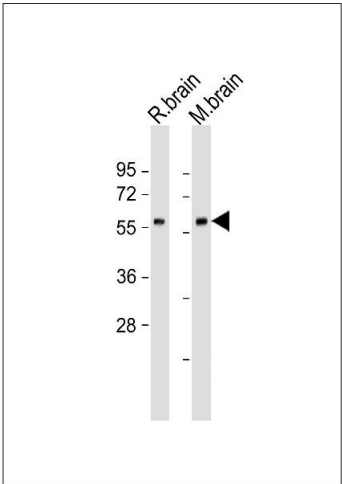
Background:	This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been 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.
Molecular Weight:	65411
Gene ID:	2572
NCBI Accession:	NP_000809 , NP_001127838
UniProt:	Q05329

Application Details

Application Notes:	WB: 1:500. WB: 1:500
Restrictions:	For Research Use only

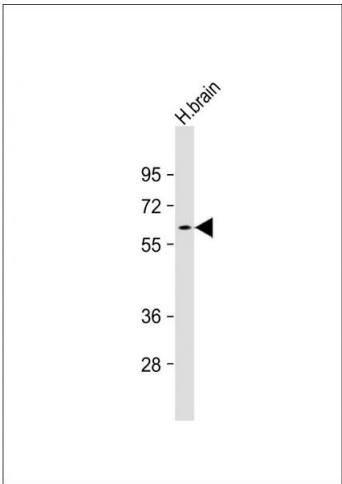
Handling

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:	GAD2 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

Image 1. "All lanes : Anti-GAD2 Antibody at 1:500 dilution
Lane 1: rat brain lysate Lane 2: mouse brain lysate
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65411 Da Blocking/Dilution buffer: 5 % NFDM/TBST."



Western Blotting

Image 2. Anti- at 1:500 dilution + human brain lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.