

## anti- GAD1 antibody

### Product Information

Catalog No.:	FNab09843
Size:	100 $\mu$ g
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	$\geq$ 95% as determined by SDS-PAGE
Host:	Rabbit
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20 $^{\circ}$ C for 24 months (Avoid repeated freeze / thaw cycles.)

### 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 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.

### Immunogen information

Immunogen:	glutamate decarboxylase 1
Synonyms:	FLJ45882, GAD, GAD 67, GAD1, GAD67, Glutamate decarboxylase 1, SCP
Calculated MW:	67 kDa
Uniprot ID :	Q99259

### Application

Specificity:	Human, Mouse, Rat; other species are not tested. Please decide the specificity by homology
Tested Application:	ELISA, WB
Recommended dilution:	WB: 1:500 - 1:2000
Image:	



FineTest

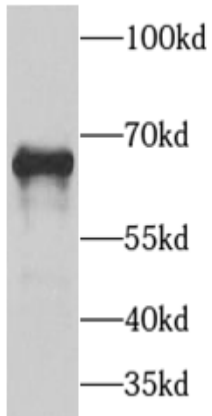
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Jurkat cells were subjected to SDS PAGE followed by western blot with FNab09843( GAD1 Antibody) at dilution of 1:1000