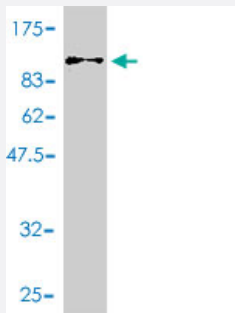


GAD1 polyclonal antibody (A01)

Catalog # H00002571-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (91.45 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant GAD1.
Immunogen	GAD1 (AAH26349, 1 a.a. ~ 594 a.a) full-length recombinant protein with GST tag.
Sequence	MASSTPSSSATSSNAGADPNTTNLRPTYDTWCGVAHGCTRKLGKICGFLQRTNSLEEKSR LVS AFKERQSSKNLLSCENS DRDARFRRTETDFS NLFARDLLPAKNGEEQTVQFLLEVVDILLNYVRK TFDRSTKVLD FHHPHQLLEGMEGFNLELS DHPESLEQILVDCRDTLKYGVRTGHPRFFNQLSTGL DIIGLAGEWLTSTANTNMFTYEIAPV FVLMEQITLKKMREIVGWSSKDGDGIFSPGGAISNMYSIMAA RYKYFPEVKTKGMAAVPKLV LFTSEQSHYSIKKAGAA LGFGTDNVILKCN ERGKIIPADFEAKILEA KQKGYVPFYVNATAGTTVYGAFDPIQEIADICEKYNLWLHVDAAWGGG LLMSRKHRHKLNGIERAN SVTWNPHKMMGVLLQCSAILVKEKGILQGCNQMCAGYLFQPD KQYDVS YDTGDKA IQCGRHVDIF KFWLMWKAKGT VGFENQINKCLELAEYL YAKIKNREEFEMVFNGEPEHTNVC FWYPQSLRGVPD SPQRREKLHKVAPKIKALMMESGTTMVG YQPQGDKANFFRMVISNPAATQSDIDFLIEEIERLGQD L
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (91.45 KDa) .
Storage Buffer	50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GAD1

Entrez GeneID [2571](#)**GeneBank Accession#** [BC026349](#)**Protein Accession#** [AAH26349](#)**Gene Name** GAD1**Gene Alias** FLJ45882, GAD, SCP**Gene Description** glutamate decarboxylase 1 (brain, 67kDa)**Omim ID** [603513](#) [605363](#)**Gene Ontology** [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000041055|glutamate decarboxylase 1|glutamate decarboxylase 1 (brain, 67kD)

Pathway

- [Alanine](#)

- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Taurine and hypotaurine metabolism](#)
- [Type I diabetes mellitus](#)

Disease

- [Alcoholism](#)
- [Anxiety Disorders](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)

- [Weight Gain](#)