

DNAxPAb

Hard-to-Find
Antibody

GAD2 DNAxPab

Catalog # H00002572-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GAD2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MASPGSGFWSFGSEDGSGDSENPGTARAWCQVAQKFTGGIGNKLCALLYGDAEKPAESGGSQ PPRAAARKAACACDQKPCSCSKVDVNYAFLHATDLLPACDGERPTLAFLQDVMNILLQYVVKSF DRSTKVIDFHYPNELLQEYNWELADQPQNLEEILMHCQTTLKYAIKTGHPRYFNQLSTGLDMVGLA ADWLTSTANTNMFTYEIAPVFLLEYVTLKKMREIIGWPGSGDGIFSPGGAISNMYAMMIARFKMF PEVKEKGMAALPRLIAFTSEHSFSLKKGAAALGIGTDSVILIKCDERGKMIPSDLERRILEAKQKG FVPFLVSATAGTTVYGAFDPLLAVADICKKYIWMHVDAAWGGGLLSRKHKWKLSGVERANSV TWNPHKMMGVPLQCSALLVREEGLMQNCNQMHASYLFQQDKHYDLSYDTGDKALQCGRHVDV FKLWLMWRAKGTTGFEAHVDKCLELAEYLNYIKNREGYEMVFDGKPQHTNVCFWYPPSLRTL DNEERM SRLSKVAPVIKARMM EYGTMMVS YQPLGDKVNFFRMVISNPAATHQDIDFLIEEIERLGQ DL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — GAD2

Entrez GeneID [2572](#)

GeneBank Accession# [BC126327](#)

Protein Accession# [AA126328.1](#)

Gene Name GAD2

Gene Alias GAD65, MGC161605, MGC161607

Gene Description glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)

Omim ID [138275](#)

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 autoantibody and an auto-reactive 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. [provided by RefSeq]

Other Designations Glutamate decarboxylase-2 (pancreas)|OTTHUMP00000019335|OTTHUMP00000019336|glutamate decarboxylase 2|glutamate decarboxylase 2 (pancreatic islets and brain, 65kD)

Pathway

- [Alanine](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)

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

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)

- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Insulin Resistance](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [NARP](#)
- [Neoplasms](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)