

Rabbit GAD1 Polyclonal Antibody | anti-GAD1 antibody

GAD1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA173241	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

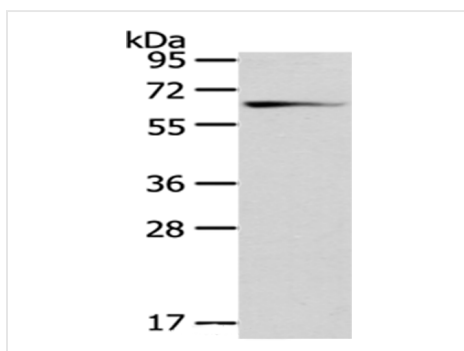
PRODUCT SYNONYMS

GAD1; Polyclonal Antibody; GAD1 Polyclonal Antibody; GAD; SCP; CPSQ1; anti-GAD1 antibody

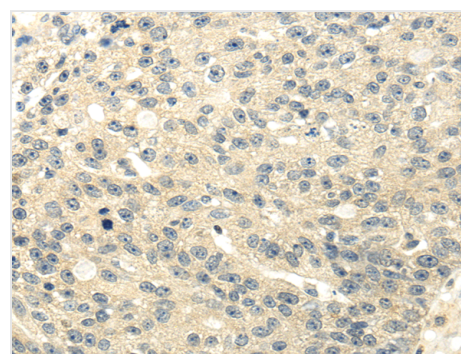
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Concentration	1.3mg/ml (varies by lot)
Sequence Length	87
Applicable Applications for anti-GAD1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Synthetic peptide of human GAD1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7512 / sc-7513 / sc-5602
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western Blot analysis of Mouse brain tissue using GAD1 Polyclonal Antibody at dilution of 1/200


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using GAD1 Polyclonal Antibody at dilution of 1/20

ADDITIONAL INFORMATION

Related Product Information for anti-GAD1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114053971
NCBI GeneID	2571
Molecular Weight	67 kDa
NCBI Official Full Name	GAD1, partial
NCBI Official Synonym Full Names	glutamate decarboxylase 1
NCBI Official Symbol	GAD1
NCBI Official Synonym Symbols	GAD; SCP; CPSQ1
NCBI Protein Information	glutamate decarboxylase 1
UniProt Protein Name	Glutamate decarboxylase 1
UniProt Gene Name	GAD1
UniProt Synonym Gene Names	GAD; GAD67; GAD-67
UniProt Entry Name	DCE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.