

Rabbit GAD1 Polyclonal Antibody | anti-GAD1 antibody

GAD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287616	Rabbit	Human, mouse, rat	Immunohistochemistry, ELISA, Western Blot

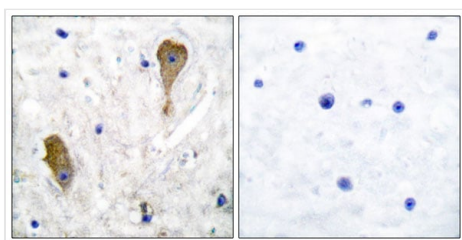
PRODUCT SYNONYMS

GAD1; Polyclonal Antibody; GAD1 Antibody; Glutamate decarboxylase 1; 67 kDa glutamic acid decarboxylase; GAD-67; Glutamate decarboxylase 67 kDa isoform; GAD; GAD67; anti-GAD1 antibody

PRODUCT SPECIFICATIONS

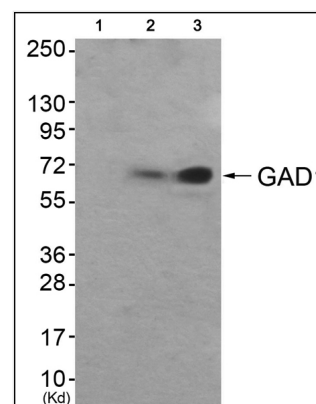
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	481-509
Sequence Length	425
Applicable Applications for anti-GAD1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



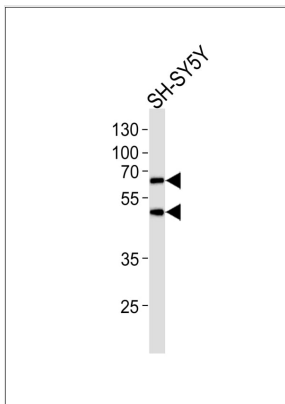
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human brain tissue using GAD67 antibody.



WB (Western Blot)

Western blot analysis of extracts from A549 cells (Lane 2) and HepG2 cells (Lane 3), using GAD1 Antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)

Western blot analysis of lysate from SH-SY5Y cell line, using GAD1 Antibody(AAA287616). AAA287616 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-GAD1 antibody	Catalyzes the production of GABA.
Product Categories/Family for anti-GAD1 antibody	Immunology ; Metabolism ; Signal transduction
References	Bu D.-F., et al. Proc. Natl. Acad. Sci. U.S.A. 89:2115-2119(1992). Bu D.-F., et al. Genomics 21:222-228(1994). Kelly C.D., et al. Lancet 338:1468-1469(1991). Kelly C.D., et al. Ann. Hum. Genet. 56:255-265(1992). Yamashita K., et al. Biochem. Biophys. Res. Commun. 192:1347-1352(1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331246
NCBI GeneID	2571
NCBI Accession #	NP_000808.2
NCBI GenBank Nucleotide #	NM_000817.2
UniProt Accession #	Q99259 ; Q49AK1 ; Q53TQ7 ; Q9BU91 ; Q9UHH4
Molecular Weight	66897
NCBI Official Full Name	glutamate decarboxylase 1 isoform GAD67
NCBI Official Synonym Full Names	glutamate decarboxylase 1 (brain, 67kDa)
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gad1-antibody-immunohistochemistry-western-blot-elisa/287616>