

Rabbit anti-Human GAD65 Polyclonal Antibody | anti-GAD65 antibody

GAD65 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302800	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

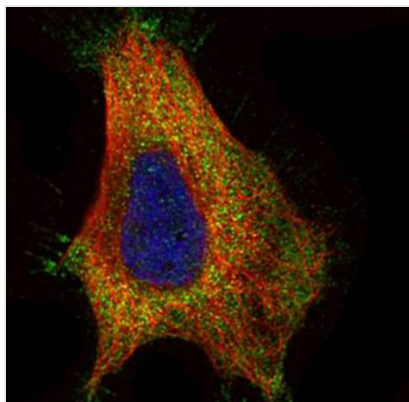
PRODUCT SYNONYMS

GAD65; Polyclonal Antibody; GAD65 antibody; anti-GAD65 antibody

PRODUCT SPECIFICATIONS

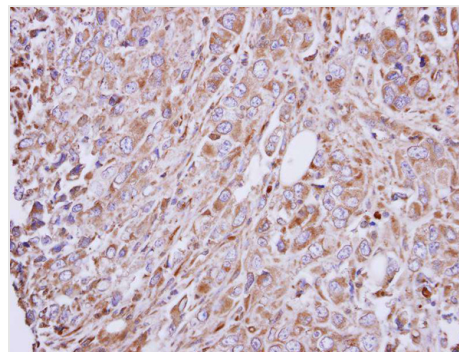
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	585
Applicable Applications for anti-GAD65 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 353 and 556 of GAD65
Target Name	GAD65
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



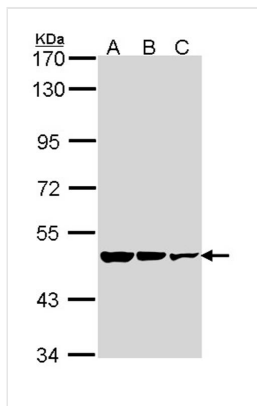
IF (Immunofluorescence)

Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using GAD65 antibody (Green) at 1: 500 dilution and alpha-tubulin antibody (Red) at 1: 2500.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded OECM1 xenograft, using GAD65 antibody at 1: 100 dilution.



Application Data

Sample (30 ug of whole cell lysate) A: A431 B: H1299 C: Hela 7.5% SDS PAGE Primary antibody diluted at 1: 1000

ADDITIONAL INFORMATION

Related Product Information for anti-GAD65 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 autoantibody and an autoreactive 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]
Product Categories/Family for anti-GAD65 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	118835509
NCBI GeneID	2572
Molecular Weight	65,411 Da
NCBI Official Full Name	Glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)
NCBI Official Synonym Full Names	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)
NCBI Official Symbol	GAD2
NCBI Official Synonym Symbols	GAD65
NCBI Protein Information	glutamate decarboxylase 2
UniProt Protein Name	Glutamate decarboxylase 2
UniProt Gene Name	GAD2
UniProt Synonym Gene Names	GAD65; GAD-65
UniProt Entry Name	DCE2_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://stage.aaabiotech.com/polyclonal/gad65-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/302800>