

Goat GAD65 Polyclonal Antibody | anti-GAD65 antibody

Goat Polyclonal to Human GAD65

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51571	Goat	Gibbon, Gorilla, Human, Monkey, Mouse Predicted Reactivity: Rat, Bat, Hamster, Horse (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

GAD65; Polyclonal Antibody; Goat Polyclonal to Human GAD65; Anti-GAD65 Antibody (Internal) IHC-plus; GAD2; GAD-65; Glutamate decarboxylase 2; Human GAD65; anti-GAD65 antibody

PRODUCT SPECIFICATIONS

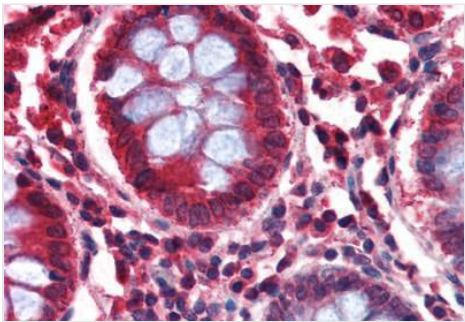
Host	Goat
Reactivity	Gibbon, Gorilla, Human, Monkey, Mouse Predicted Reactivity: Rat, Bat, Hamster, Horse (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GAD2 / GAD65. This antibody is expected to recognise both reported variants.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	585
Applicable Applications for anti-GAD65 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-TLEDNEERMSRLSK from an internal region of human GAD2 / GAD65 (NP_000809.1; NP_001127838.1). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Elephant (100%).
Immunogen Type	Synthetic peptide
Immunogen	GAD65 antibody was raised against synthetic peptide C-TLEDNEERMSRLSK from an internal region of human GAD2 / GAD65 (NP_000809.1; NP_001127838.1). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Elephant (100%); Rat, Hamster, Panda, Bat, Horse (93%); Dog, Rabbit (86%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



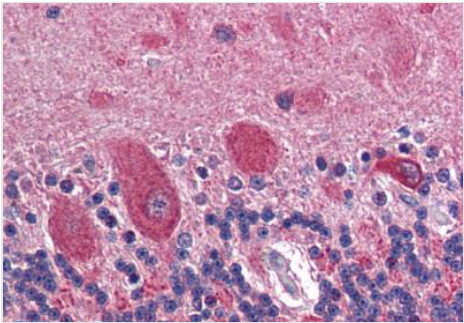
WB (Western Blot)

Antibody (0.1 ug/ml) staining of Human Brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-GAD2 / GAD65 antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.



IHC (Immunohistochemistry)

Anti-GAD2 / GAD65 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503875
NCBI GeneID	2572
NCBI Accession #	NP_000809.1
NCBI GenBank Nucleotide #	NM_000818.2
UniProt Accession #	Q05329; Q9UD87
Molecular Weight	65,411 Da
NCBI Official Full Name	glutamate decarboxylase 2
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; GAD-65; 65 kDa glutamic acid decarboxylase; Glutamate decarboxylase-2 (pancreas); glutamate decarboxylase 65 kDa isoform
UniProt Protein Name	Glutamate decarboxylase 2
UniProt Gene Name	GAD2
UniProt Synonym Gene Names	GAD65; GAD-65

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gad65-antibody-western-blot-immunohistochemistry-elisa/51571>