

## ARG64797 anti-GAD67 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes GAD67
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize isoform GAD67. There is no cross-reactivity expected with GAD2.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GAD67
Species	Human
Immunogen	C-PDSPQRREKLHK
Conjugation	Un-conjugated
Alternate Names	EC 4.1.1.15; Glutamate decarboxylase 67 kDa isoform; Glutamate decarboxylase 1; 67 kDa glutamic acid decarboxylase; GAD; SCP; GAD-67; CPSQ1

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.5 - 1.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 2571 Human](#)

[Swiss-port # Q99259 Human](#)

Background

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. [provided by RefSeq, Jul 2008]

Research Area

Immune System antibody; Metabolism antibody; Signaling Transduction antibody

Calculated Mw

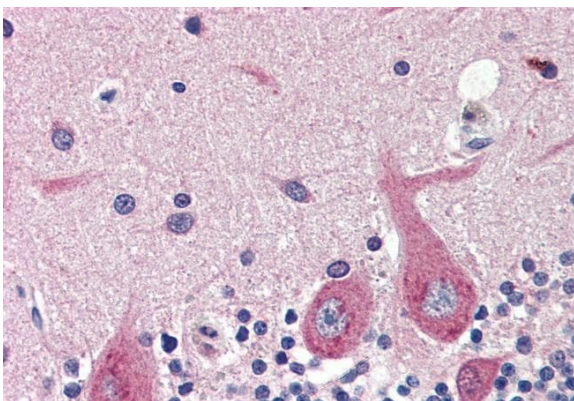
67 kDa

## Images



ARG64797 anti-GAD67 antibody WB image

Western blot: 35 µg of Human brain (cerebral cortex) lysate stained with ARG64797 anti-GAD67 antibody at 0.5 µg/ml dilution.



ARG64797 anti-GAD67 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cerebellum tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64797 anti-GAD67 antibody at 4 µg/ml dilution followed by AP-staining.