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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54353_P050-HRP
Product Page	www.avivasysbio.com/gad1-antibody-n-terminal-region-hrp-arp54353-p050-hrp.html
Name	GAD1 Antibody - N-terminal region : HRP (ARP54353_P050-HRP)
Protein Size (# AA)	594 amino acids
Molecular Weight	67
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	2571
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutamate decarboxylase 1 (brain, 67kDa)
Alias Symbols	GAD, SCP, CPSQ1, DEE89
Peptide Sequence	Synthetic peptide located within the following region: MASSTPSSSATSSNAGADPNTTNLRPTTYDTWCGVAHGCTRKLGKICGF
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	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.
Protein Interactions	CMTM5; AGTRAP; HAAO; STK3; GAD2; PPP2CA; PRKCE; PPP2CB; PRKACA;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GAD1 (ARP54353_P050-HRP) antibody
Blocking Peptide	For anti-GAD1 (ARP54353_P050-HRP) antibody is Catalog # AAP54353 (Previous Catalog # AAP43212)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GAD1
Uniprot ID	Q99259
Protein Name	Glutamate decarboxylase 1
Protein Accession #	NP_000808
Purification	Affinity Purified
Nucleotide Accession #	NM_000817
Gene Symbol	GAD1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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