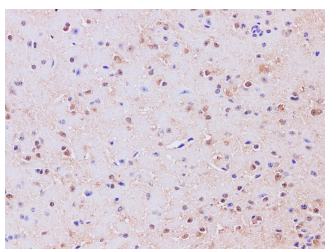


## GAD1 Polyclonal Antibody

<b>Catalog No.</b>	E-AB-40226	<b>Reactivity</b>	M
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Mouse brain using GAD1 Polyclonal Antibody at dilution of 1:200

### Immunogen Information

<b>Immunogen</b>	Recombinant Mouse Glutamate decarboxylase 1 protien
<b>Swissprot</b>	P48318
<b>Synonyms</b>	CPSQ1,DCE1,FLJ45882,GAD 1,GAD 67,GAD,GAD-67,GAD1,,Glutamate decarboxylase 1,Glutamate decarboxylase 67 kDa isoform,OTTHUMP00000041054,SCP

### Product Information

<b>Buffer</b>	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	IHC 1:50-1:200

### 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.

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