

**GAD1 / GAD67 Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS12622****Specification**

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**GAD1 / GAD67 Antibody (Internal) - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O99259</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>67kDa KDa</b>

**GAD1 / GAD67 Antibody (Internal) - Additional Information****Gene ID** 2571**Other Names**

Glutamate decarboxylase 1, 4.1.1.15, 67 kDa glutamic acid decarboxylase, GAD-67, Glutamate decarboxylase 67 kDa isoform, GAD1, GAD, GAD67

**Target/Specificity**

Human GAD1 / GAD67. This antibody is expected to recognize isoform GAD67. There is no cross-reactivity expected with GAD2.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

GAD1 / GAD67 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**GAD1 / GAD67 Antibody (Internal) - Protein Information****Name** GAD1 ([HGNC:4092](#))**Synonyms** GAD, GAD67**Function**

Catalyzes the synthesis of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA) with pyridoxal 5'-phosphate as cofactor.

**Tissue Location**

[Isoform 1]: Expressed in brain.

**GAD1 / GAD67 Antibody (Internal) - Protocols**

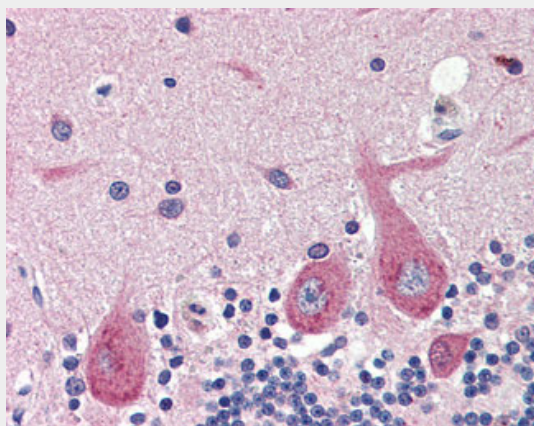
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **GAD1 / GAD67 Antibody (Internal) - Images**



Antibody (1 ug/ml) staining of Mouse Brain lysate (35 ug protein in RIPA buffer).



Anti-GAD67 antibody IHC of human brain, cerebellum.

#### **GAD1 / GAD67 Antibody (Internal) - Background**

Catalyzes the production of GABA.

#### **GAD1 / GAD67 Antibody (Internal) - References**

- Bu D.-F., et al. Proc. Natl. Acad. Sci. U.S.A. 89:2115-2119(1992).  
Bu D.-F., et al. Genomics 21:222-228(1994).  
Kelly C.D., et al. Lancet 338:1468-1469(1991).  
Kelly C.D., et al. Ann. Hum. Genet. 56:255-265(1992).  
Yamashita K., et al. Biochem. Biophys. Res. Commun. 192:1347-1352(1993).