

**GAD25 / GAD67 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3608a

**Specification**

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**GAD25 / GAD67 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">O99259</a>
Other Accession	<a href="#">NP_038473.2</a> , <a href="#">NP_000808.2</a> , <a href="#">2571</a>
Reactivity	Mouse
Predicted	Human, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	66897

**GAD25 / GAD67 Antibody (internal region) - 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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GAD25 / GAD67 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**GAD25 / GAD67 Antibody (internal region) - 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.

### **GAD25 / GAD67 Antibody (internal region) - 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](#)

### **GAD25 / GAD67 Antibody (internal region) - Images**



AF3608a (1  $\mu$ g/ml) staining of Mouse Brain lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **GAD25 / GAD67 Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_038473.2; NP\_000808.2).

### **GAD25 / GAD67 Antibody (internal region) - References**

Smoking-mediated up-regulation of GAD67 expression in the human airway epithelium Wang G, Wang R, Ferris B, Salit J, Strulovici-Barel Y, Hackett NR, Crystal RG. *Respir Res*. 2010 Oct 29;11:150. PMID: 21034448