

**GAD65 Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13081****Specification**

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**GAD65 Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q05329</a>
Reactivity	Human, Mouse, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	65kDa KDa

**GAD65 Antibody (Internal) - Additional Information****Gene ID** 2572**Other Names**

Glutamate decarboxylase 2, 4.1.1.15, 65 kDa glutamic acid decarboxylase, GAD-65, Glutamate decarboxylase 65 kDa isoform, GAD2, GAD65

**Target/Specificity**

Human GAD2 / GAD65. This antibody is expected to recognise both reported variants.

**Reconstitution & Storage**

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

**Precautions**

GAD65 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**GAD65 Antibody (Internal) - Protein Information****Name** GAD2 ([HGNC:4093](#))**Synonyms** GAD65**Function**

Catalyzes the production of GABA.

**Cellular Location**

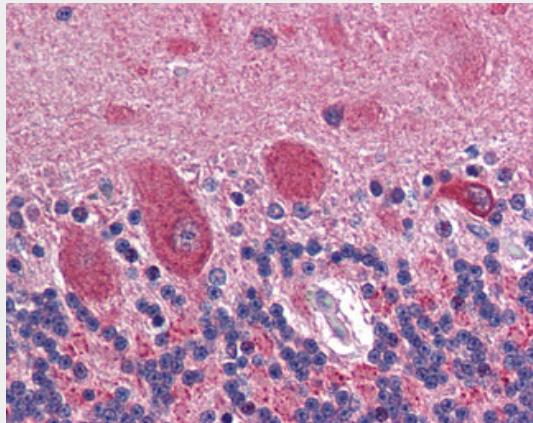
Cytoplasm, cytosol. Cytoplasmic vesicle. Presynaptic cell membrane; Lipid-anchor. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Note=Associated to cytoplasmic vesicles In neurons, cytosolic leaflet of Golgi membranes and presynaptic clusters

**GAD65 Antibody (Internal) - Protocols**

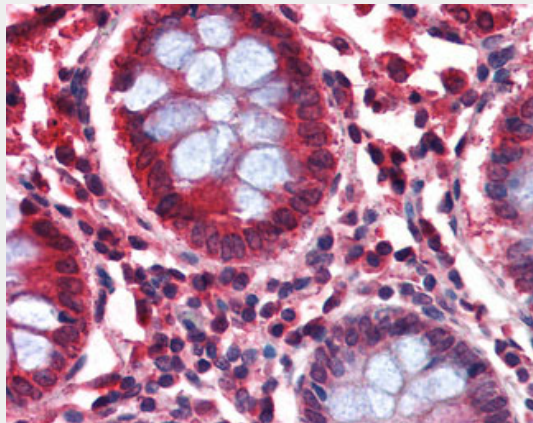
Provided below are standard protocols that you may find useful for product applications.

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

#### **GAD65 Antibody (Internal) - Images**



Anti-GAD2 / GAD65 antibody IHC of human brain, cerebellum.



Anti-GAD2 / GAD65 antibody IHC of human colon.

#### **GAD65 Antibody (Internal) - Background**

Catalyzes the production of GABA.

#### **GAD65 Antibody (Internal) - References**

Karlsen A.E., et al. Proc. Natl. Acad. Sci. U.S.A. 88:8337-8341(1991).  
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).  
Mauch L., et al. Eur. J. Biochem. 212:597-603(1993).  
Kim J., et al. Diabetes 42:1799-1808(1993).