10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GAD1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50607

Specification

GAD1 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q99259
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**67,25,47 KDa**
Antigen Region	**481-509**

GAD1 Antibody - Additional Information

Gene ID 2571

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

Dilution
WB~~1:1000
IHC~~1:50-1:100

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

GAD1 Antibody - 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.

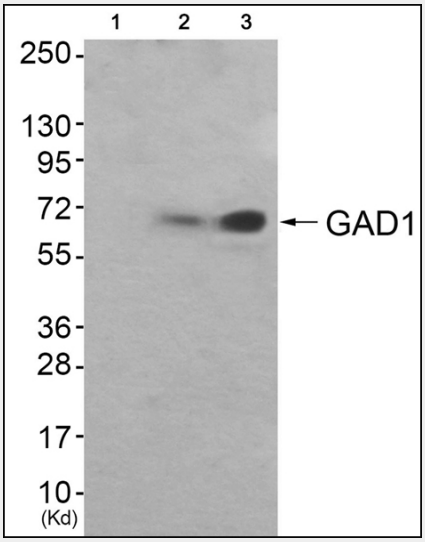
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GAD1 Antibody - Protocols

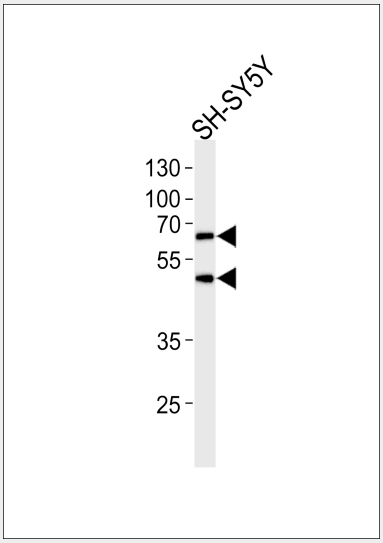
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GAD1 Antibody - Images

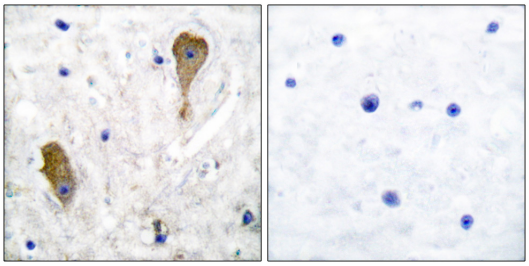


Western blot analysis of extracts from A549 cells (Lane 2) and HepG2 cells (Lane 3), using GAD1 Antibody. The lane on the left is treated with systhesized peptide.



Western blot analysis of lysate from SH-SY5Y cell line,using GAD1 Antibody(AP50607). AP50607 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Immunohistochemical analysis of paraffin-embedded human brain tissue using GAD67 antibody.

GAD1 Antibody - Background

Catalyzes the production of GABA.

GAD1 Antibody - 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).