

GAD1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50607

Product Information

Application	WB, IHC
Primary Accession	Q99259
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	66897

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°C

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.

Background

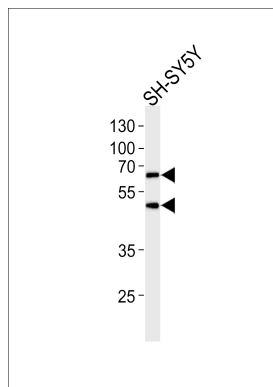
Catalyzes the production of GABA.

References

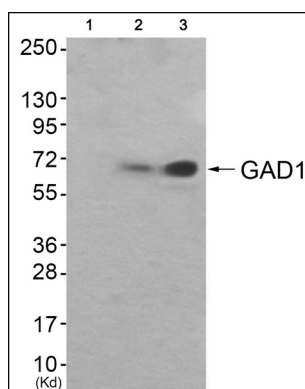
Bu D.-F.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:2115-2119(1992).

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).

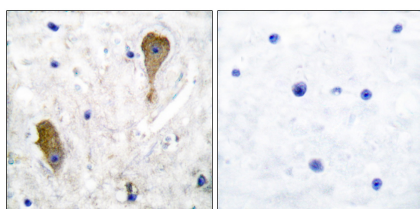
Images



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 35 µg.



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 synthesized peptide.



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

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