

GAD67 Antibody

Catalog No: #33379

Package Size: #33379-1 50ul #33379-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

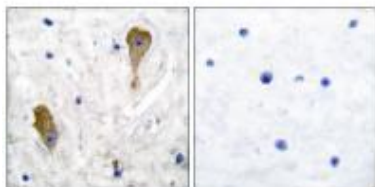
Product Name	GAD67 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total GAD67 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GAD67.
Conjugates	Unconjugated
Target Name	GAD67
Other Names	4.1.1.15; GLUTAMATE DECARBOXYLASE; BRAIN; 67-KD; glutamate decarboxylase 1 (brain
Accession No.	Swiss-Prot: Q99259NCBI Gene ID: 2571
SDS-PAGE MW	67kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

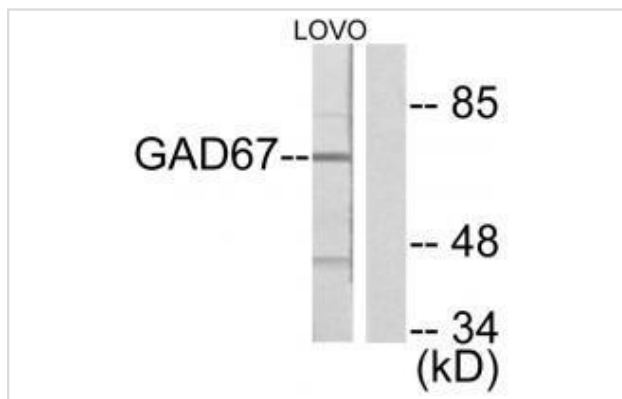
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

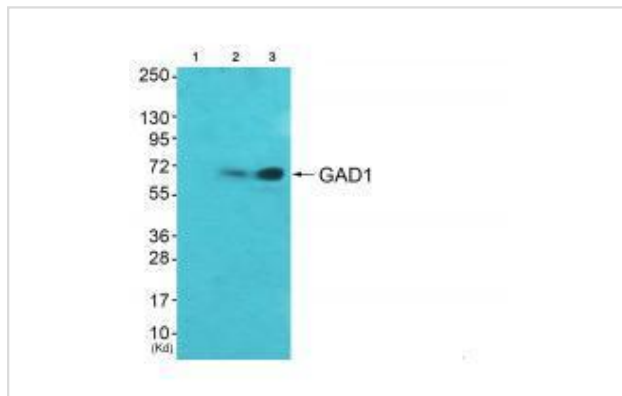
Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using GAD67 antibody #33379.



Western blot analysis of extracts from LOVO cells, using GAD67 antibody #33379.



Western blot analysis of extracts from A549 cells (Lane 2) and HepG2 cells (Lane 3), using GAD67 antibody #33379. The lane on the left is treated with synthesized peptide.

Background

Catalyzes the production of GABA.

Jamil Kanaani, J. Biol. Chem., Dec 1999; 274: 37200.

Susan M. Murphy, J. Histochem. Cytochem., Nov 1998; 46: 1261.

M. Gierdalski, Cereb Cortex, Sep 2001; 11: 806 - 815.

Kyung Soo Kim, Diabetes, Sep 2002; 51: 2764.

Published Papers

el at., Increased GluK1 Subunit Receptors in Corticostriatal Projection from the Anterior Cingulate Cortex Contributed to Seizure β • Like Activities. In Adv Sci (Weinh) on 2024 Oct by Xu-Hui Li, Wantong Shi, et al..PMID:39225597, , (2024)

[PMID:39225597](https://pubmed.ncbi.nlm.nih.gov/39225597/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.