

GAD67 Antibody

Catalog No: #33379

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

Description

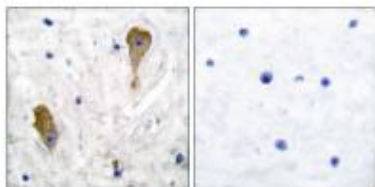
Product Name	GAD67 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of 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

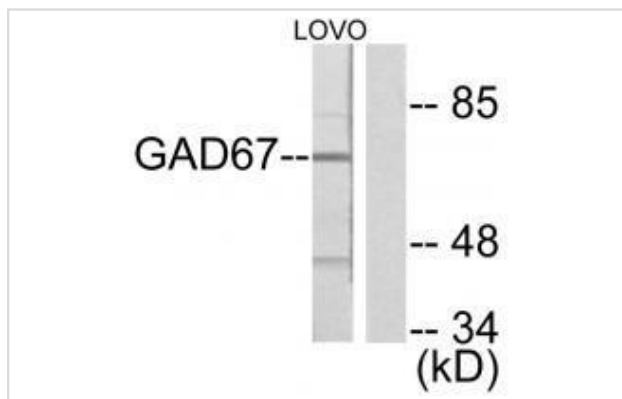
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

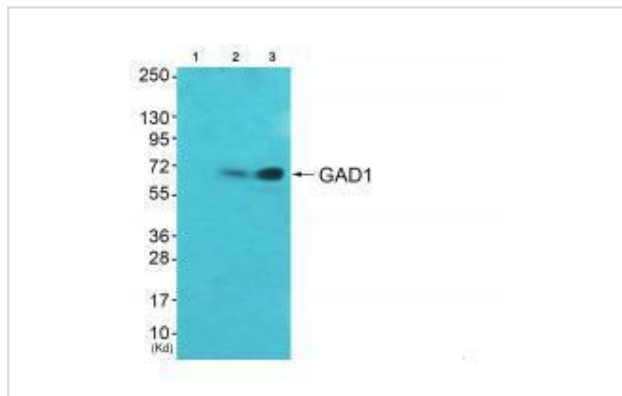
Images



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.