


Goat polyclonal to GAD67/GAD1 ab80589

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概述

产品名称	山羊多克隆抗体to GAD67/GAD1
宿主	Goat
特异性	ab80589 is expected to recognize isoform GAD67. There is no cross-reactivity expected with GAD2 (isoform GAD65).
经测试应用	适用于: Flow Cyt, ICC/IF, IHC-P, WB
种属反应性	与反应: Human 预测可用于: Cow, Cat, Dog, Pig, Chimpanzee, Orangutan 
免疫原	Synthetic peptide corresponding to Human GAD1/GAD67 aa 500 to the C-terminus (internal sequence) (Cysteine residue). NP_000808.2. Database link: Q99259-1 Run BLAST with Run BLAST with
阳性对照	WB: Human brain (cerebral cortex) lysate in RIPA buffer. Flow Cyt: A431 cells; ICC/IF: A431 cells
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab80589 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide
克隆	多克隆

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab80589于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use a concentration of 10 µg/ml.
ICC/IF		Use a concentration of 10 µg/ml.
IHC-P		Use at an assay dependent concentration.
WB		Use a concentration of 0.5 - 1.5 µg/ml. Predicted molecular weight: 67 kDa. 1 hour primary incubation is recommended for this product.

靶标

功能

Catalyzes the production of GABA.

组织特异性

Isoform 3 is expressed in pancreatic islets, testis, adrenal cortex, and perhaps other endocrine tissues, but not in brain.

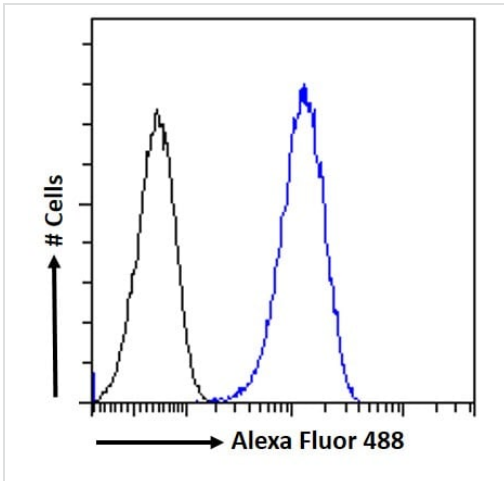
疾病相关

Defects in GAD1 are the cause of cerebral palsy spastic quadriplegic type 1 (CPSQ1) [MIM:603513]. A non-progressive disorder of movement and/or posture resulting from defects in the developing central nervous system. Affected individuals manifest symmetrical, non-progressive spasticity and no adverse perinatal history or obvious underlying alternative diagnosis. Developmental delay, mental retardation and sometimes epilepsy can be part of the clinical picture.

序列相似性

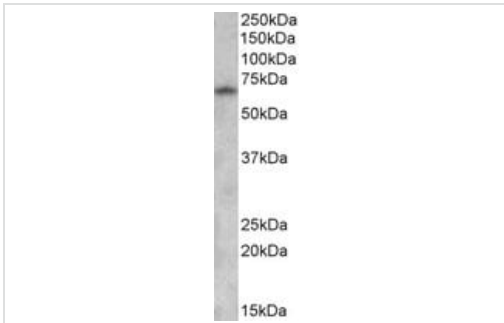
Belongs to the group II decarboxylase family.

图片



Flow Cytometry - Goat polyclonal to GAD67/GAD1 (ab80589)

Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10µg/mL) followed by Alexa Fluor 488 secondary antibody (1µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



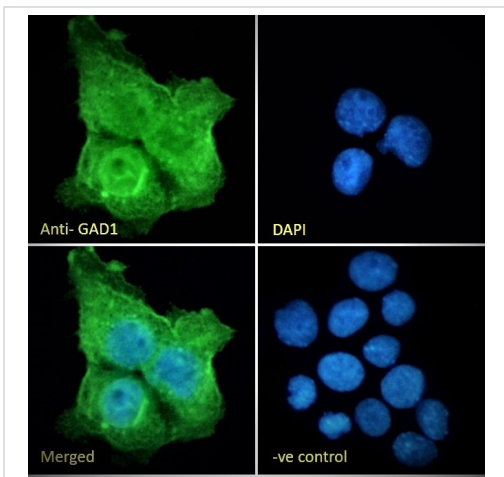
Western blot - Goat polyclonal to GAD67/GAD1 (ab80589)

Goat polyclonal to GAD67/GAD1 (ab80589) at 0.5 µg/ml + Human brain (cerebral cortex) lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 67 kDa

Observed band size: 67 kDa



Immunocytochemistry/ Immunofluorescence - Goat polyclonal to GAD67/GAD1 (ab80589)

Immunocytochemistry/Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/mL) followed by Alexa Fluor 488 secondary antibody (2µg/mL), showing plasma membrane, cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10µg/mL) followed by Alexa Fluor 488 secondary antibody (2µg/mL).

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