abcam

Product datasheet

Rabbit monoclonal [EPR2550] to GAD67/GAD1 ab108626

Recombinant RabMAb

1 References 2 Images

Overview

Product name	Rabbit monoclonal [EPR2550] to GAD67/GAD1
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF or IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain, SH-SY5Y, Human fetal hypothalamus, Jurkat, C6, and Neuro2a cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2550
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108626 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 67 kDa.

Application notes Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

Target

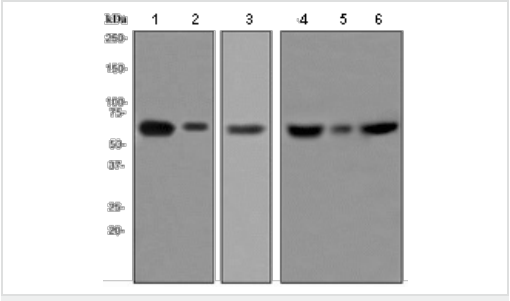
Function Catalyzes the production of GABA.

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

Involvement in disease 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.

Sequence similarities Belongs to the group II decarboxylase family.

Images



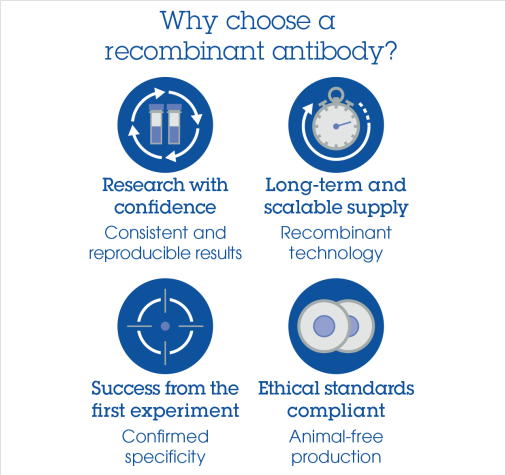
Western blot - Anti-GAD1/GAD67 antibody [EPR2550] (ab108626)

All lanes : Rabbit monoclonal [EPR2550] to GAD67/GAD1 (ab108626) at 1/1000 dilution

Lane 1 : Human fetal brain cell lysate
Lane 2 : SH-SY5Y cell lysate
Lane 3 : Human fetal hypothalamus cell lysate
Lane 4 : Jurkat cell lysate
Lane 5 : C6 cell lysate
Lane 6 : Neuro2a cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 67 kDa



Anti-GAD1/GAD67 antibody [EPR2550] (ab108626)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors