


Product datasheet

Anti-GAD65 antibody [GAD-6] ab26113

★★★★★ [2 Abreviews](#) [70 References](#) [1 Image](#)

Overview

Product name	Anti-GAD65 antibody [GAD-6]
Description	Mouse monoclonal [GAD-6] to GAD65
Host species	Mouse
Specificity	The GAD-6 monoclonal antibody ab26113 recognizes only GAD65 and has no cross reactivity with GAD67 on western blots of mouse brain or purified recombinant GAD67 and GAD65. ab26113 recognizes GAD65 primarily in nerve terminals in immunohistochemical analysis of brain sections (Kaufman et al, 1991).
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Predicted to work with: Mammals 
Immunogen	Full length protein (Rat)
Epitope	ab26113 recognizes an epitope near the C-terminus of GAD65
Positive control	mouse brain
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: 0.0268% PBS
Purity	Protein A/G purified

Clonality	Monoclonal
Clone number	GAD-6
Isotype	IgG2a

Applications

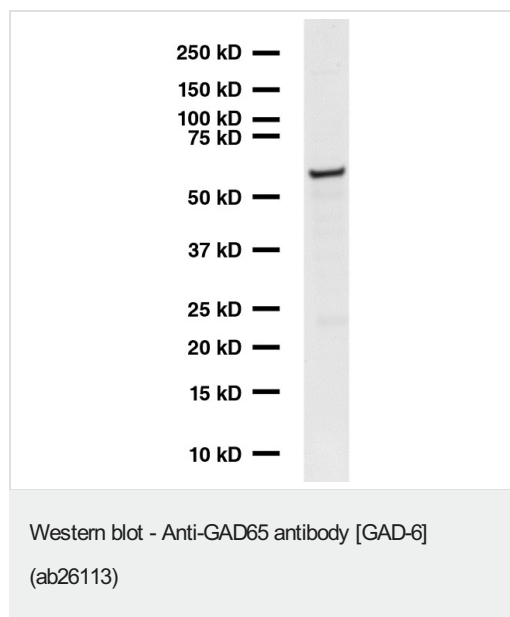
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab26113 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/1000 - 1/20000. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).

Target

Function	Catalyzes the production of GABA.
Sequence similarities	Belongs to the group II decarboxylase family.
Post-translational modifications	Phosphorylated; which does not affect kinetic parameters or subcellular location. Palmitoylated; which is required for presynaptic clustering.
Cellular localization	Cytoplasm > cytosol. Cytoplasmic vesicle. Cell junction > synapse > presynaptic cell membrane. Golgi apparatus membrane. Associated to cytoplasmic vesicles. In neurons, cytosolic leaflet of Golgi membranes and presynaptic clusters.

Images



Anti-GAD65 antibody [GAD-6] (ab26113) at 1/1000 dilution + mouse cerebellum at 0.75 µg

Secondary

HRP horse anti-mouse IgG at 1/5000 dilution

Predicted band size: 65 kDa

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