

Datasheet for ABIN1742417
anti-GAD65 antibody (AA 3-96)



[Go to Product page](#)

3 Images

3 Publications

Overview

Quantity:	100 µg
Target:	GAD65 (GAD2)
Binding Specificity:	AA 3-96
Reactivity:	Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant mouse GAD 2 (aa 3-96).
Clone:	26H1
Isotype:	IgG3
Specificity:	Specific for GAD 2 / GAD 65
Purification:	purified IgG. Azide was added before lyophilization.

Target Details

Target:	GAD65 (GAD2)
Alternative Name:	GAD 2 (GAD2 Products)
Background:	Synonyms: GAD 65

Application Details

Application Notes:	WB: 1 : 1000 (AP staining) ICC: 1 : 500 IHC: 1 : 200 up to 1 : 500
Comment:	WB: This antibody is less sensitive than the rabbit antibody. ELISA: Suitable as capture antibody for sandwich-ELISA with ABIN1742419 as detector antibody (protocol for sandwich-ELISA).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 100 µL H ₂ O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS
Handling Advice:	Do not store diluted antibody solutions unless you add detergent or carrier proteins such as goat serum, BSA or others. IgG sticks to glass and plastic. Any IgG solution below 0.1 mg/mL protein will quickly adsorb and denature and thus lose activity! Repetitive freeze-thawing of dilute purified IgG is almost certain to lead to substantial losses.
Storage:	-20 °C
Storage Comment:	Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years.

Publications

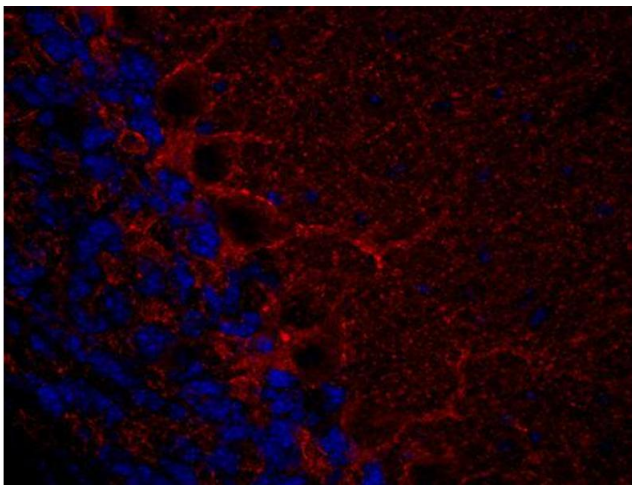
Product cited in:	<p>Pan, Marrs, Ryan: "Vesicular glutamate transporter 1 orchestrates recruitment of other synaptic vesicle cargo proteins during synaptic vesicle recycling." in: The Journal of biological chemistry, Vol. 290, Issue 37, pp. 22593-601, (2015) (PubMed).</p> <p>Liu, Bickford, Held, Nyitrai, Südhof, Kaeser: "The active zone protein family ELKS supports Ca²⁺ influx at nerve terminals of inhibitory hippocampal neurons." in: The Journal of neuroscience : the official journal of the Society for Neuroscience, Vol. 34, Issue 37, pp. 12289-303, (2014) (PubMed).</p> <p>Coley, Ruffin, Moss, Hopfer, Boron: "Immunocytochemical identification of electroneutral Na⁺-coupled HCO₃⁻ transporters in freshly dissociated mouse medullary raphe neurons." in:</p>
-------------------	---

Images



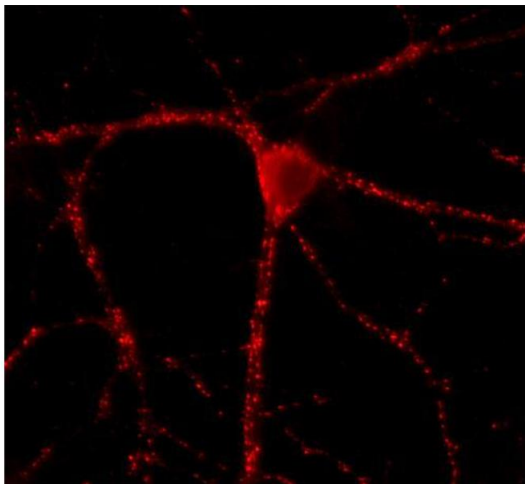
Western Blotting

Image 1. dilution: 1 : 1000, sample: synaptic vesicle fraction of rat brain (LP2)



Immunohistochemistry

Image 2. Indirect immunohistochemistry of a PFA fixed mouse cerebellum section (dilution 1 : 500). Nuclei were visualized by DAPI staining.



Immunocytochemistry

Image 3. Immunolabeling of cultured hippocampus neurons (dilution 1 : 500).