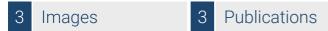


Datasheet for ABIN1742417

anti-GAD65 antibody (AA 3-96)





Go to Product page

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: | lgG3 |
| Specificity: | Specific for GAD 2 / GAD 65 |
| Purification: | purified IgG. Azide was added before lyophilization. |

Target Details

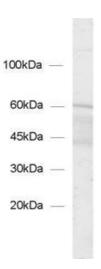
| Target: | GAD65 (GAD2) |
|-------------------|-----------------------|
| Alternative Name: | GAD 2 (GAD2 Products) |
| Background: | Synonyms: GAD 65 |

Application Details

| 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 Handlling Format: Lyophilized Reconstitution: For reconstitution add 100 µL H20 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 loose 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: 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). Liu, Bickford, Held, Nyitral, Südhof, Kaeser: "The active zone protein family ELKS supports Ca24-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). Coley, Ruffin, Moss, Hopfer, Boron: "Immunocytochemical identification of electroneutral Nalicoupled HCOIBI transporters in freshly dissociated mouse meduliary raphé neurons." in: | Application Notes: | WB: 1 : 1000 (AP staining) |
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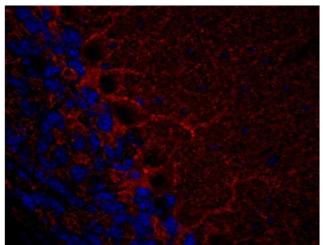
Neuroscience, Vol. 246, pp. 451-67, (2013) (PubMed).

Images



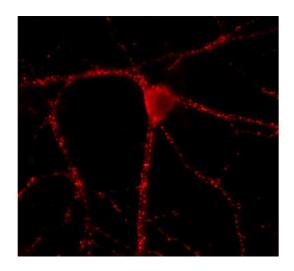
Western Blotting

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).