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Datasheet for ABIN1742466

anti-GABRB1 antibody (AA 342-430)

3 Images

1 Publication

Overview

Quantity:	50 µg
Target:	GABRB1
Binding Specificity:	AA 342-430
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein (aa 342-430 in mouse) of the unprocessed precursor forced into a loop-shaped structure.
Specificity:	Specific for GABA-A receptor beta1.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Target Details

Target:	GABRB1
Alternative Name:	GABA-A Receptor Beta1 (GABRB1 Products)
Background:	Synonyms: GABA(A) R beta1

Application Details

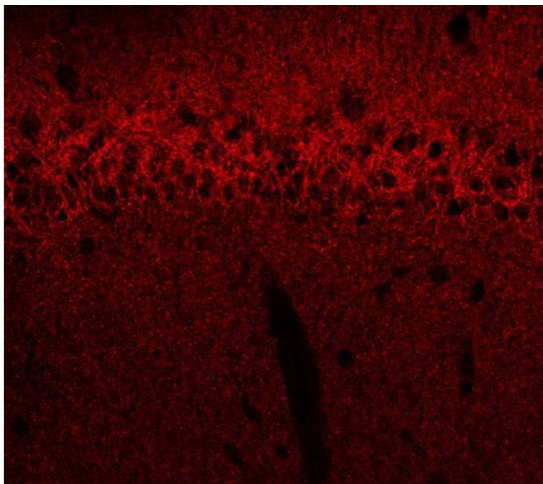
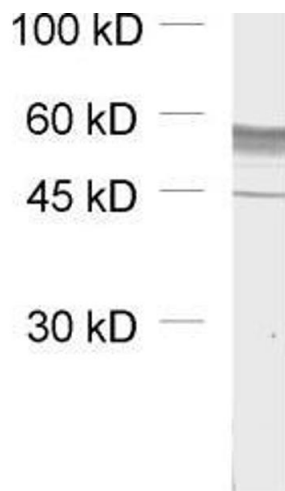
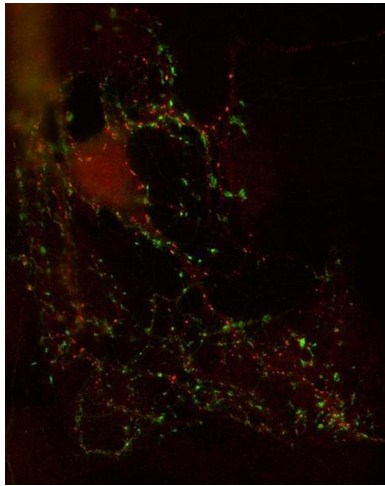
Application Notes:	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 500 IHC: 1 : 500
Comment:	WB: This protein aggregates after boiling, making it necessary to run SDS-PAGE with non-boiled samples. IHC: This antibody requires antigen retrieval with pepsin according to: Lorincz A & Nusser Z (2008).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 50 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:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.
Storage:	-20 °C
Storage Comment:	Unlabeled lyophilized 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. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

Publications

Product cited in:	Otero, Fellows, Li, de Bizemont, Dirac, Gustafsson, Erdjument-Bromage, Tempst, Svejstrup: "Elongator, a multisubunit component of a novel RNA polymerase II holoenzyme for transcriptional elongation." in: Molecular cell , Vol. 3, Issue 1, pp. 109-18, (1999) (PubMed).
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Immunocytochemistry

Image 1. Indirect immunostaining of PFA fixed mouse cortex neurons with anti-GABA-A receptor β 1 (dilution 1 : 500; red) and anti-synapsin (cat. no. 106 001, dilution 1 : 500; green).

Western Blotting

Image 2. dilution: 1 : 1000, sample: unboiled synaptic membrane fraction of rat brain (LP1)

Immunohistochemistry

Image 3. Indirect immunostaining of a rat hippocampus section fixed with 4 % PFA and 15 % picric acid (dilution 1 : 500).