antibodies

Datasheet for ABIN1742467 anti-GABRB2 antibody (AA 343-430)

3 Images

1 Publication



Overview

Quantity:	50 µg
Target:	GABRB2
Binding Specificity:	AA 343-430
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)
Product Details	
Immunogen:	Recombinant protein (aa 343-430 in mouse) of the unprocessed precursor forced into a loop-
	shaped structure.

Purification: Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Specific for GABA-A receptor beta2.

Target Details

Specificity:

Target:	GABRB2
Alternative Name:	GABA-A Receptor Beta2 (GABRB2 Products)
Background:	Synonyms: GABA(A) R beta2
Pathways:	Sensory Perception of Sound, Synaptic Membrane

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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-boilec
	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 μ L H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and
	store at -20 °C until use.

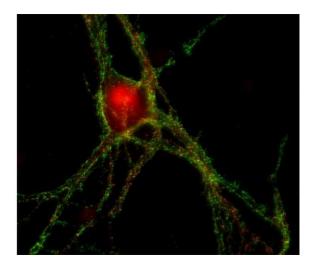
Format:	Lyophilized
Reconstitution:	For reconstitution add 50 μL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS
Handling Advice:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. 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: Schildknecht, Karreman, Pöltl, Efrémova, Kullmann, Gutbier, Krug, Scholz, Gerding, Leist: " Generation of genetically-modified human differentiated cells for toxicological tests and the study of neurodegenerative diseases." in: **ALTEX**, Vol. 30, Issue 4, pp. 427-44, (2013) (PubMed).

> Tong, Wong, Guttman, Ang, Forno, Shimadzu, Rajput, Muenter, Kish, Hornykiewicz, Furukawa: " Brain alpha-synuclein accumulation in multiple system atrophy, Parkinson's disease and progressive supranuclear palsy: a comparative investigation." in: **Brain : a journal of neurology**, Vol. 133, Issue Pt 1, pp. 172-88, (2010) (PubMed).

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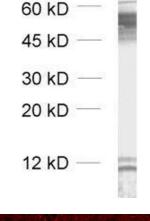


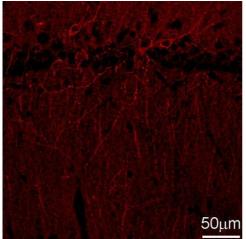
Immunocytochemistry

Image 1. Indirect immunostaining of PFA fixed mouse cortex neurons with anti-GABA-A receptor β 2 (dilution 1 : 500; red) and anti-synapsin 1 (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).

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