Product datasheet

Anti-GABA antibody ab17413

Overview

Product name Anti-GABA antibody
Description Guinea pig polyclonal to GABA
Host species Guinea pig
Specificity Recognizes GABA. Staining was blocked by preabsorbing with 100uM GABA conjugated to glutaraldehyde. 500uM of similar conjugations of glutamic acid, glutamate and taurine failed to block staining.

Tested applications Suitable for: IHC-P, Electron Microscopy, ICC/IF, IHC-FoFr, IHC-Fr, ELISA
Species reactivity Reacts with: Species independent
Immunogen Chemical/ Small Molecule conjugated to KLH via glutaraldehyde.
General notes Without colchicine pretreatment well stained cell bodies are visible in the cerebral cortex, cerebellar cortex, superior colliculus and some brainstem raphe. With colchicine pretreatment, additional cell body staining is present in the interpeduncular nucleus and the dorsal column nuclei.

Properties

Form Liquid
Storage buffer Constituent: Whole serum
Purity Whole antiserum
Primary antibody notes Without colchicine pretreatment well stained cell bodies are visible in the cerebral cortex, cerebellar cortex, superior colliculus and some brainstem raphe. With colchicine pretreatment, additional cell body staining is present in the interpeduncular nucleus and the dorsal column nuclei.
Clonality Polyclonal
Isotype IgG

Applications

Our Abpromise guarantee covers the use of ab17413 in the following tested applications.
Gamma-aminobutyric acid (GABA) is a major inhibitory neurotransmitter. GABA acts at inhibitory synapses in the brain and spinal cord. Inhibition is provoked by GABA binding resulting in hyperpolarization of the synaptic transmembrane potential of the affected neuron. GABA binding causes ion channels to open allowing either the flow of chloride or potassium ions into or out of the cell.

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABA antibody (ab17413)**

Immunohistochemical analysis of rat brain tissue, labelling GABA with ab17413 diluted 1/500. Heat-induced antigen retrieval. DAB staining. Diffuse cytoplasmic staining and axonal staining observed in ventral midbrain neurons. (Note: This antibody produces diffuse cytoplasmic staining of moderate intensity in ventral midbrain, cortical and purkinje neurons in rat brain tissue).

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