

Anti-GABA antibody ab62669

2 References

Overview

Product name	Anti-GABA antibody
Description	Chicken polyclonal to GABA
Host species	Chicken
Specificity	Fixed tissue cross-reactivity tested with known targets at recommended dilution. No measurable glutaraldehyde-fixed tissue cross-reactivity (<1:1000) against: L-alanine, D/L-aspartate, agmatine, D/L-arginine, L-citrulline, L-cysteine, D/L-glutamate, D/L-glutamine, glutathione, glycine, L-histidine, L-isoleucine, L-lysine, L-leucine, L-methionine, L-asparagine, L-ornithine, L-proline, L-serine, taurine, L-threonine, L-valine, L-tryptophan, L-tyrosine. No measurable reactivity against formaldehyde fixed proteins
Tested applications	Suitable for: ICC
Species reactivity	Reacts with: Species independent
Immunogen	Full length native protein (purified) corresponding to Cow GABA (Glutaraldehyde). 4-aminobutyrate cross-linked to purified fraction V bovine serum albumin with glutaraldehyde.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Thimerosal (merthiolate) Constituent: 0.268% PBS
Purity	IgY fraction
Purification notes	IgYs were separated from other yolk proteins by serial PEG6000 extractions using a modification of the method of Polsonet al Immunological Investigations.

Clonality	Polyclonal
Isotype	IgY

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab62669 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		

Application notes Endogenous content mapping by LM and EM ICC: 1/100. True dilution at user dilution: 1/32000. Optimal fixation: 0.1-2.5% glutaraldehyde, 1% formaldehyde using HPI (High Performance Immunocytochemistry).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance 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.

Cellular localization Cell Membrane, Cytoplasmic, Plasma membrane and Secreted

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