

# Anti-GABA antibody ab62669

## 2 References

### Overview

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<b>Product name</b>	Anti-GABA antibody
<b>Description</b>	Chicken polyclonal to GABA
<b>Host species</b>	Chicken
<b>Specificity</b>	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
<b>Tested applications</b>	<b>Suitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Full length native protein (purified) corresponding to Cow GABA (Glutaraldehyde). 4-aminobutyrate cross-linked to purified fraction V bovine serum albumin with glutaraldehyde.
<b>General notes</b>	<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&amp;As</p>

### Properties

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

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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