

Anti-L Glutamate antibody ab62668

★★★★☆ [1 Abreviews](#) [1 References](#)

Overview

Product name	Anti-L Glutamate antibody
Description	Chicken polyclonal to L Glutamate
Host species	Chicken
Specificity	No measurable cross-reactivity (<1:1000) against glutamate in peptides or proteins. Fixed tissue cross-reactivity tested with known targets at recommended dilution. No measurable glutaraldehyde-fixed tissue cross-reactivity (<1:1000) against L-alanine, gamma-aminobutyrate, D/L-aspartate, 1-amino-4-guanidobutane (AGB), D/L-arginine, L-citrulline, L-cysteine, D/L-glutamine, glutathione, glycine, L-lysine, L-ornithine, L-serine, taurine, L-threonine, L-tryptophan, L-tyrosine. Modest cross-reactivity (1:20) against D-glutamate. Significant cross-reactivity (1:8) against free NAAG in competition assays (NAAG is not retained in aldehyde-fixed tissue).
Tested applications	Suitable for: ICC
Species reactivity	Reacts with: Species independent
Immunogen	L Glutamate 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) Constituents: 0.268% PBS, 1% Normal Goat Serum
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. 1985, 14, 323-327.

Clonality	Polyclonal
Isotype	IgY

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab62668 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		1/100. Endogenous content mapping by LM and EM immunocytochemistry. True dilution at user dilution: 1/32000. Optimal fixation: 0.1-2.5% glutaraldehyde, 1% formaldehyde using HPI (High Performance Immunocytochemistry). Minimum glutaraldehyde: 0.0% using EHPI (Enhanced HPI) with 4% formaldehyde.

Target

Relevance L Glutamate is a non-essential amino acid naturally occurring in the L-form. It is the most common excitatory neurotransmitter in the Central Nervous System.

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