



RABBIT ANTI-GLUTAMATE POLYCLONAL ANTIBODY

CATALOG NUMBER: AB5018

LOT NUMBER:

QUANTITY: 2000 Tests (500 µL)

SPECIFICITY: Glutamate (L-Glutamate). The antibody has been calibrated against a spectrum of antigens to assure hapten selectivity and proper affinity. No measurable cross-reactivity (<1:1000) against glutamate in peptides or proteins. No measurable glutaraldehyde-fixed tissue cross-reactivity (<1:1000) against L-alanine, γ-aminobutyrate, 1-amino-4-guanidobutane (AGB), D/L-arginine, D/L-aspartate, 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 glutaraldehyde-fixed tissue).

IMMUNOGEN: Glutamate-glutaraldehyde

APPLICATIONS: Immunohistochemistry using silver-intensified immunogold or fluorescence (see recommended protocol). Samples should be fixed with 0.1% - 2.5% glutaraldehyde for optimum detection.

*This antibody has also been used and found to work with a zero-low glutaraldehyde / high paraformaldehyde fixation (4% paraformaldehyde in 0.1M phosphate buffer / 3% sucrose fixative). The minimum glutaraldehyde concentration for AB5018 is 0.00%. See protocol that follows. Performance is good with frozen sections, Vibratome sections and tissue culture formats, when penetrating reagents such as 0.3% Triton X-100 are used.

Optimal working dilutions must be determined by the end user.

DILUTION: Prepare enough of the AB5018 for your days use by diluting 100X with 1% GSPBT.

FORMAT: Purified immunoglobulin.

PRESENTATION: Liquid in stabilizing buffer (100 mM Phosphate buffer with 1% sterile goat serum) containing 0.05% thimerosal.

STORAGE: Maintain stock at 2-8°C in undiluted aliquots for up to 6 months. This stock is extremely stable under normal use and routine storage at 2-8°C. **Do not freeze.**

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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