



GUINEA PIG ANTI-GABA POLYCLONAL ANTIBODY

- CATALOG NUMBER:** AB175
- LOT NUMBER:**
- QUANTITY:** 50 μ L
- SPECIFICITY:** GABA. Staining was blocked by preabsorbing with 100 μ M GABA conjugated to glutaraldehyde. 500 μ M of similar conjugations of glutamic acid, glutamate and taurine failed to block staining.
- IMMUNOGEN:** GABA coupled to KLH via glutaraldehyde.
- APPLICATIONS:** Immunohistochemistry at 1:1,000 (FITC and peroxidase methods).
Optimal working dilutions must be determined by the end user.
- FIXATION:** Tissues fixed with 4% paraformaldehyde and 0-0.5% glutaraldehyde give good results.
- 1) Tissue is fixed with 4% paraformaldehyde, 0-0.5% glutaraldehyde, 0.5% potassium dichromate in 0.1M phosphate buffer at pH 6.5.
 - 2) Tissue is post-fixed overnight, vibratome sectioned in 50 μ m and incubated in 0.05M Tris buffer, pH 6.5 for three hours.
 - 3) Sections are incubated for 18-24 hours in AB175 diluted in PBS containing 0.1% sodium azide, 0.2% Triton X-100 and 1% normal goat serum.
 - 4) Fluorescein conjugated antibody or PAP may be used as the secondary reagent.
- Note:** 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.
- FORMAT:** Guinea Pig antiserum.
- PRESENTATION:** Liquid
- STORAGE/HANDLING:** Maintain at -20°C in undiluted aliquots for up to twelve months after date of receipt. Avoid repeated freeze-thaw cycles. Do not dilute prior to freezing.
- REFERENCES:** McDonald A. (1989) *Neurosci. Lett.* **100**: 53.
Roettger, V. and Goldfinder, M. (1989) *Neurosci. Lett* **97**, 46.
Johnson, M. and Vardi, N. (1998) *Visual Neuroscience* **15**:743-753.
Hantman, A.W., et al., (2004) *J. Neuroscience* **24**:836-842.
- 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 μ l 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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