

**MOUSE ANTI-GABA  
(Gamma-Aminobutyric Acid)  
MONOCLONAL ANTIBODY**

- CATALOG NUMBER:** MAB316
- LOT NUMBER:**
- QUANTITY:** 50 µg
- CONCENTRATION:** 0.1 mg/mL
- SPECIFICITY:** Specific for GABA and does not cross-react with other amino acids with the exception of weak reactivity against β-alanine BSA conjugated at the highest concentration used.
- IMMUNOGEN:** GABA-coupled to BSA with glutaraldehyde.
- ISOTYPE:** IgG<sub>1</sub>
- APPLICATIONS:** Immunohistochemistry on frozen sections if perfusion fixed. Glutaraldehyde must be included in fixative with paraffin sections: 1:200-1:400. Typical fixative might be 4% PFA, 1% glutaraldehyde in 0.1M sodium phosphate buffer, pH 7.3.  
Immunoblotting: Not recommended due to low molecular weight: 103Da.  
Optimal working dilution must be determined by the end user.
- FORMAT:** Purified immunoglobulin in PBS with 1% BSA and 0.1% sodium azide.
- STORAGE/HANDLING:** Maintain refrigerated at 2-8°C for up to 6 months after date of receipt.
- REFERENCES:** Kim, Tae-Jin, *et al* (2006). Distribution of AMPA glutamate receptor GluR1 subunit-immunoreactive neurons and their co-localization with calcium-binding proteins and GABA in the mouse visual cortex. *Mol Cells* **21**: 34-41.  
Ye, Eun-Ah, *et al* (2006). Iontropic Glutamate Receptor GluR1 in the Visual Cortex of Hamster: Distribution and Co-Localization with Calcium-Binding Proteins and GABA. *Acta histochemica et cytochemica* **39**: 47-54.  
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Gonchar, Y. and Burkhalter, A. (1999). Connectivity of GABAergic Calretinin-immunoreactive Neurons in Rat Primary Visual Cortex. *Cerebral Cortex* **9**(7): 683-696.  
Jongen-Relo, A. L. *et al.* (1999). Distribution of GABAergic cells and fibers in the hippocampal formation of the macaque monkey: an immunohistochemical and in situ hybridization study. *J. Comp. Neurol.* **408**: 237-271.  
**(Applications: Immunohistochemistry (tissue); Species: Monkey)**  
Miettinen, M. *et al.* (1997). Distribution of calretinin-immunoreactivity in the rat entorhinal cortex: coexistence with GABA. *J. Comp. Neurol.* **378**(3): 363-378. **(Applications: Immunohistochemistry (tissue); Species: Rat)**  
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