

**Antibody to GABA-A receptor gamma2 subunit**  
MOUSE MONOCLONAL

**Catalog Number:** AB-V22  
**Quantity:** 100 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.  
**Host:** Mouse  
**Clone:** 10F10-C1-B8  
**Immunogen:** amino acids 37-53 of rat GABA-A receptor gamma2 subunit

**Background:** GABA(A) receptors are ligand-gated ion channels that mediate fast synaptic inhibition in the central nervous system. These receptors are pentameric complexes assembled from various subunit classes, including the gamma subunit. Each subunit features an extracellular N-terminal domain, four transmembrane segments, and a short extracellular C-terminal region. Mutations in the gamma-2 subunit of the GABA(A) receptor have been associated with epilepsy syndromes, including febrile seizures.

**Specificity & Preparation:** Mouse IgG2b antibody generated against amino acids 37-53 of rat GABA-A receptor gamma2 subunit.

**Usage:** Applications include western blot, ELISA, immunofluorescence, and immunocytochemistry. Working dilutions must be determined by end user.

**Storage:** Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Joshi S, Sun C, Kapur J (2011) A mouse monoclonal antibody against the  $\gamma 2$  subunit of GABAA receptors. *Hybridoma (Larchmt)* 30(6):537-542. doi: 10.1089/hyb.2011.0035 PMID: 22149279

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