

## Anti-GABA Receptor Associated Protein Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 56300

**Size:** 100 ug IgG in 100 ul (1 mg/ml) PBS.

### BACKGROUND

Type-A receptors for the neurotransmitter GABA (gamma-aminobutyric acid) are ligand-gated chloride channels that mediate inhibitory neurotransmission. A cellular protein, GABA(A)-receptor associated protein (GABARAP), that interacts with the gamma 2 subunit of GABA(A) receptors and modulates receptor channel kinetics was recently identified. GABARAP binds to GABA(A) receptors in vitro and in vivo. Sequence analysis shows similarity between GABARAP and light chain-3 of microtubule-associated proteins 1A and 1B. The interactions between GABA(A) receptors, GABARAP and tubulin suggest a mechanism for the targeting and clustering of GABA(A) receptors.

### SPECIFICATION SUMMARY

**Antigen:** Peptide derived from the N-terminus of GABARAP.

**Host Species:** Rabbit

**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes human GABARAP (14 kD).

### APPLICATIONS

*Immunoblotting:* use at 1:500-1:1,000 dilution.

*ELISA:* use at 1:1,000-1:5,000 dilution.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*