



## ***Anti-rat GABA-B-R2 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF1188

**Lot Number:** HDN02

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS  
with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** rat GABA-B-R2

**Immunogen:** NS0-derived rrGABA-B-R2  
N-terminal extracellular domain

**Ig Type:** goat IgG

**Applications:** Direct ELISA  
Western blot  
Immunohistochemistry

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant rat N-terminal extracellular domain of Gamma-Aminobutyric Acid Type B Receptor subunit 2 (rrGABA-B-R2). Rat GABA-B-R2 specific IgG was purified by rat GABA-B-R2 affinity chromatography.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody was selected for its ability to recognize rat GABA-B-R2 in direct ELISAs and western blots.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect rat GABA-B-R2 N-terminal extracellular domain. The detection limit for rrGABA-B-R2 N-terminal extracellular domain is approximately 0.5 ng/well.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect rat GABA-B-R2 N-terminal extracellular domain. The detection limit for rrGABA-B-R2 N-terminal extracellular domain is approximately 5 ng/lane under non-reducing and reducing conditions.

**Immunohistochemistry** - This antibody will detect GABA-B-R2 in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS series).

**Optimal dilutions should be determined by each laboratory for each application.**