

## Anti-GABA(A) $\alpha$ 3 (extracellular)

( $\gamma$ -aminobutyric acid receptor type A  $\alpha$ 3 subunit, GABRA3)

**Product #:** AGA-003  
**Current Lot #:** AN-03  
**Host:** Rabbit  
**Type:** Polyclonal.

**Epitope:** Peptide QGESR RQEPG DFVKQ (C) corresponding to amino acid residues 29-43 of human GABA(A)  $\alpha$ 3 (Accession [P34903](#))

**Putative epitope location:** Extracellular, N-terminus.

**Homology with other species:** Rat, mouse - identical; bovine - 14/15 amino acid residues identical.

**Reactivity Confirmed:** Rat.

**Identity of a peptide:** Confirmed by mass-spectrography and amino acid analysis.

**Purity:** Affinity purified on immobilized antigen.

**Sample Sizes:** 50  $\mu$ l or 0.2 ml after reconstitution of the lyophilized powder.

**Storage before Reconstitution:** Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.

**Reconstitution:** 50  $\mu$ l or 0.2 ml deionized water, depending on the sample size.

**Antibody Concentration after Reconstitution:** 0.75 mg/ml.

**Buffer after Reconstitution:** Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 5% sucrose, 0.025% NaN<sub>3</sub>.

**Storage after Reconstitution:** The reconstituted solution can be stored at 4°C for up to 2 weeks. For longer periods, small aliquots should be stored at -20°C or below. Avoid multiple freezing and thawing. The further dilutions should be made using a carrier protein such as BSA (1%). Centrifuge all antibody preparations before use (10000  $\times$  g 5 min).

**Control Antigen Included.**

**Control Antigen Storage before Reconstitution:** Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.

**Control Antigen Reconstitution:** 100  $\mu$ l water.

**Control Antigen Storage after Reconstitution:** -20 °C.

**PreadSORption Control:** 1  $\mu$ g peptide per 1  $\mu$ g antibody.

**Standard Quality Control of Each Lot:** Western blot analysis.

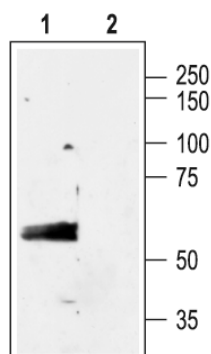
**Applications:**

**Western Blotting:** Rat brain membranes (1:200).

**Immunohistochemistry:** Rat brain frozen sections (1:200).

**For research purposes only, not for human use.**

**Last Update:** February 20, 2006.



Western blot analysis of rat brain membranes:

1. Anti-GABA(A)  $\alpha$ 3 receptor (extracellular) antibody (1:200).
2. Anti-GABA(A)  $\alpha$ 3 receptor (extracellular) antibody, preincubated with the control peptide antigen.