upstate | CHEMICON | Linco
THE EXPERTISE OF UPSTATE®, CHEMICON® AND LINCO® IS NOW A PART OF MILLIPORE

RABBIT ANTI-GABAA RECEPTOR ALPHA 5 SUBUNIT AFFINITY PURIFIED POLYCLONAL ANTIBODY

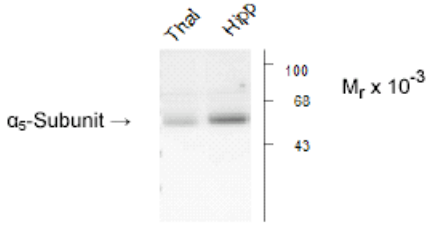
CATALOG NUMBER: AB9678 **QUANTITY:** 100 µL

LOT NUMBER:

SPECIFICITY: GABAA Receptor alpha 5 subunit. The antibody recognizes a protein of ~55 kDa corresponding to GABAA Receptor alpha 5 subunit in lysates from rat hippocampus and thalamus.

IMMUNOGEN: Fusion protein from the Cytosolic loop of rat the GABAA Receptor alpha 5 subunit.

APPLICATIONS: Western blot: 1:1,000



Western Blot of rat thalamus (Thal) and hippocampus (Hipp).

Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITIES: Rat and mouse. Other species have not been tested.

FORMAT: Affinity purified immunoglobulin

PRESENTATION: Liquid in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA and 50% glycerol.

STORAGE/HANDLING: Maintain at -20°C in undiluted for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles. Do not store in a self defrosting freezer.

RELATED REFERENCES:

Brandon NJ, et al., (2003) A kinase anchoring protein 79/150 facilitates the phosphorylation of GABAA receptors by cAMP-dependent protein kinase via selective interaction with receptor α1-subunits. *Mol Cell Neurosci* **22**:87-97.

McKernan RM, et al. (2000) Sedative but not anxiolytic properties of benzodiazepines are mediated by the GABAA receptor α1-subtype. *Nature Neurosci* **3**:587-592.

Mehta AK, Ticku MK (1998) Prevalence of the GABAA receptor assemblies containing α1-subunit in the rat cerebellum and cerebral cortex as determined by immunoprecipitation: Lack of modulation by chronic ethanol administration. *Mol Brain Res* **67**:194-199.

Ogris W, et al., (2004) Affinity of various benzodiazepine site ligands in mice with a point mutation in the GABAA receptor γ2-subunit. *Biochem Pharmacol* **68**:1621-1629.

Olsen RW, Tobin AJ (1990) Molecular biology of GABAA receptors. *FASEB* **4**:1469-1480.

Pöltl A, et al., (2003) Subunit composition and quantitative importance of GABAA receptor

subtypes in the cerebellum of mouse and rat. *J Neurochem* **87**:1444-1455.

Whiting PJ, et al., (1999) Molecular and functional diversity of the expanding GABAA receptor gene family. *Ann NY Acad Sci* **868**:645-653.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION