

GUINEA PIG ANTI-GABAB-R2 RECEPTOR POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB5394	QUANTITY:	50 µL
LOT NUMBER:			
SPECIFICITY:	<p>GABAB-R2 receptor. The antiserum stains nerve fibers and cell bodies in untreated animals. The staining pattern for the immunoreactive cell bodies obtained with the GABAB-R2 receptor antiserum corresponds to the pattern described using in situ hybridization with probes to rat GABAB-R2 receptor mRNA (Durkin et al., 1999). Strong GABAB-R2 receptor immunoreactivity is e.g. demonstrated in the Purkinje cells of the cerebellum, in the cerebral cortex, in the medial habelulae, in the spinal cord and in the brainstem. In individual Purkinje neurons, the immunoreactivity is preferentially observed in the periphery of the cells, most likely corresponding to the plasma membrane, but also in the entire dendritic tree extending into the molecular cell layer of the cerebellum.</p>		
IMMUNOGEN:	<p>Synthetic peptide corresponding to the C-terminal amino acids of the rat and human GABAB-R2 receptor protein (Kaupman et al., 1998; White et al., 1998; Jones et al., 1998; Martin et al., 1999).</p>		
APPLICATIONS:	<p>Immunohistochemistry: 1:1,000-1:2,000 using a cyanine conjugated secondary antibody. Light 4% PFA fixation recommended. Permeabilization with 0.1-.2% triton in the block only; enzymatic detection can be used however substantially higher primary antibody dilutions will be necessary. Traditional formalin fixation is not recommended. <i>Optimal working dilutions must be determined by the end user.</i></p>		
SPECIES REACTIVITY:	<p>Reacts with Rat and Spider. It is expected that the antibody will work on human due to immunogen sequence homology. Reactivity with other species has not been determined.</p>		
FORMAT:	<p>Neat Guinea pig serum.</p>		
PRESENTATION:	<p>Liquid. Contains no preservative.</p>		
STORAGE/HANDLING:	<p>Maintain frozen at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles.</p>		
REFERENCES:	<p>Kuhn, S. A. <i>et al.</i> (2004). Microglia express GABA(B) receptors to modulate interleukin release. <i>Mol. Cell Neurosci.</i> 25(2):312-322.</p> <p>Waldvogel, H. J. <i>et al.</i> (2004). Comparative cellular distribution of GABAA and GABAB receptors in the human basal ganglia: Immunohistochemical colocalization of the alpha1 subunit of the GABAA receptor, and the BABAB R1 and GABAB R2 receptor subunits. <i>J. Comp. Neurol.</i> 470:339-356.</p> <p>Kuhn, S.A. <i>et al.</i> (2004). Microglia express GABA(B) receptors to modulate interleukin release. <i>Molecular and Cellular Neuroscience</i> 25:1470-1480.</p>		



Panek, I et al. (2003). THE DISTRIBUTION AND FUNCTION OF METABOTROBIC GABA RECEPTORS IN THE SPIDER PERIPHERAL MECHANOSENSILLA. Poster, Goettingen

Widmer, A et al (2003). Muscarinic ACh Receptors On Spider Peripheral Mechanosensilla. Poster, Neuroscience 2003 269.3

Leite-Morris KA et al (2002). Opiate-induced motor stimulation is regulated by gamma aminobutyric acid type B receptors found in the ventral tegmental area in mice. *Neurosci Letters* **317**:119-122.

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 μ L 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.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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