

AP05915PU-N**Polyclonal Antibody to GABRA4 (C-term) - Purified**

Alternate names:	GABAA Receptor alpha-4, GABRA-4, Gamma-Aminobutyric Acid Receptor subunit Alpha-4
Quantity:	0.1 ml
Background:	<p>GABA A receptors are GABA gated chloride channels, which are important mediators of neuronal inhibition in the mammalian central nervous system. Activation of the GABA A site results in increased intracellular chloride concentration and hyperpolarization of the cell.</p> <p>GABA A receptors are pentameric structures assembled from a family of distinct subunits. At least fourteen distinct subunits have been identified, which show distinct patterns of temporal and spatial expression.</p> <p>GABA A receptors may be modulated by several drug types including benzodiazepines and barbiturates, and by phosphorylation by protein kinase C (PKC) and protein kinase A (PKA).</p>
Uniprot ID:	P28471
NCBI:	NP_542154.3
GeneID:	140675
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide corresponding to the C-Terminal region of the alpha 4 subunit of rat GABA _A receptor coupled to KLH.
Format:	<p>State: Liquid purified Ig</p> <p>Purification: Affinity chromatography</p> <p>Buffer System: 10mM HEPES, pH7.5 containing 0.09% Sodium Azide, 0.01% Bovine Serum Albumin and 50% Glycerol</p>
Applications:	Western Blot: 1:1000; detects a band of approximately 64kDa in rat brain lysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	<p>This antibody is specific for the alpha 4 subunit of rat gamma-aminobutyric acid A (GABA A) receptor.</p> <p>Species: Human, Mouse, Rat, Bovine.</p> <p>Other species not tested.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.