

Product datasheet for **AP10064PU-N**

GABA A Receptor beta 3 (GABRB3) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	Peptide ELISA: 1/8000. Immunohistochemistry on paraffin sections: Human Cortex shows patchy staining near or at the neuronal cell membrane. <u>Recommended concentration:</u> 2-4µg/ml.
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-EKTAKAKNDRSK, from the internal region of the protein sequence according to NP_000805.1; NP_068712.1.
Specificity:	This antibody reacts to GABRB3.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	gamma-aminobutyric acid type A receptor beta3 subunit
Database Link:	<u>Entrez Gene 14402 Mouse</u> <u>Entrez Gene 24922 Rat</u> <u>Entrez Gene 2562 Human P28472</u>



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Background:

GABA A Receptor beta 3 is one of at least 13 distinct subunits of a multisubunit chloride channel that serves as the receptor for gamma-aminobutyric acid, the major inhibitory transmitter of the nervous system.

The GABAA receptor complex is the molecular target of the benzodiazepine class of tranquilizer drugs, and hence it is also often referred to as the 'benzodiazepine receptor'. The GABAA receptor complex also appears to have distinct binding sites for a variety of other pharmaco-active compounds.

Synonyms:

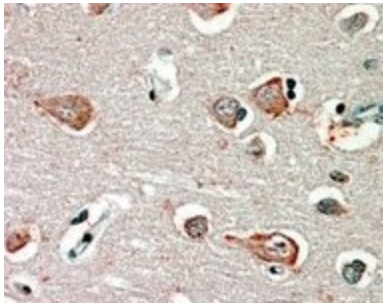
GABRB-3, GABA A receptor subunit beta-3

Protein Families:

Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Protein Pathways:

Neuroactive ligand-receptor interaction

Product images:

Anti-GABRB3 (2.5ug/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.