

## Product datasheet for **AP21175PU-N**

### GABA A Receptor alpha 6 (GABRA6) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of GABAA Ra6 protein. (region surrounding Pro97)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store 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.
Predicted Protein Size:	~ 51 kDa
Gene Name:	gamma-aminobutyric acid type A receptor alpha6 subunit
Database Link:	<u><a href="#">Entrez Gene 14399 Mouse</a></u> <u><a href="#">Entrez Gene 29708 Rat</a></u> <u><a href="#">Entrez Gene 2559 Human Q16445</a></u>



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**Background:**

GABA has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC. Both GABAA and GABAC are ligand-gated ion channels, however, they are structurally and functionally distinct. Members of the GABAA receptor family include GABAA R $\alpha$ 1-6, GABAA R  $\beta$ 1-3, GABAA R $\rho$ 1-3, GABAA R $\theta$ , GABAA R $\epsilon$ , GABAA R $\phi$ 1 and GABAA R $\phi$ 2. The GABAB family is composed of GABAB R1 $\alpha$  and GABAB R1 $\beta$ . GABA transporters have also been identified and include GABA T-1, GABA T-2 and GABA T-3 (also designated GAT-1, -2, and -3). The GABA transporters function to terminate GABA action.

**Synonyms:**

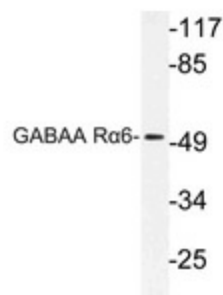
GABRA6, GABRA-6

**Protein Families:**

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

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**Product images:**

Western blot (WB) analysis of GABAA Ra6 antibody (Cat.-No.: AP21175PU-N) in extracts from Jurkat cells.