

Product datasheet for **AP21176PU-N**

GABA A Receptor delta (GABRD) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of GABAA R δ protein. (region surrounding Asp181)
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 delta subunit
Database Link:	Entrez Gene 14403 Mouse Entrez Gene 29689 Rat Entrez Gene 2563 Human O14764



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Background:

GAD-65 and GAD-67, glutamate decarboxylases function to catalyze the production of GABA (γ -aminobutyric acid). In the central nervous system GABA functions as the main inhibitory transmitter by increasing a Cl⁻ conductance that inhibits neuronal firing. 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 α 1-6, GABAA R β 1-3, GABAA R γ 1-3, GABAA R δ , GABAA R ϵ , GABAA R ρ 1 and GABAA R ρ 2. The GABAB family is composed of GABAB R1 α and GABAB R1 β . 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:

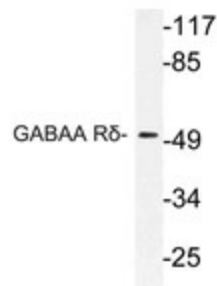
GABA A receptor subunit delta

Protein Families:

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

Protein Pathways:

Neuroactive ligand-receptor interaction

Product images:

Western blot (WB) analysis of GABAA R δ antibody (Cat.-No.: AP21176PU-N) in extracts from HT-29 cells.