

Product datasheet for **TA328851**

Galr3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3000
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide SYYGTVRYGALELC, corresponding to amino acid residues 159-172 of mouse Galanin receptor type 3. 2nd extracellular loop.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN ₃ .
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	galanin receptor 3
Database Link:	NP_056553 Entrez Gene 29235 Rat O88853

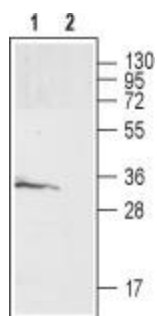
Background: Galanin is a neuropeptide, consisting of 29-30 amino acid residues, involved in the regulation of cognition, mood, feeding, seizure activity and pain. Galanin exerts its action via three known Galanin receptors, the Galanin receptor type 1 (GALR1), Galanin receptor type 2 (GALR2) and Galanin receptor type 3 (GALR3). The Galanin receptors belong to the G-protein-coupled receptor superfamily. Based on mRNA, the GALR1 is predominantly distributed in the central nervous system, spinal cord and dorsal root ganglia while GALR2 is abundant in both central and peripheral nervous system. GALR3 mRNA is distributed in peripheral tissues such as heart, spleen, and testis. However, its expression in the brain is still controversial.



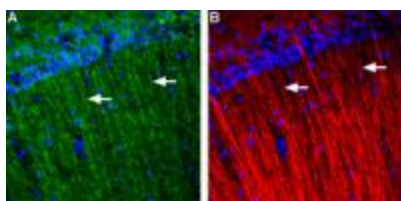
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Synonyms: GAL3-R; GALNR3; GALR-3

Product images:



Western blot analysis of rat brain membrane: 1. Anti-Galanin Receptor Type 3 (extracellular) antibody, (1:200). 2. Anti-Galanin Receptor Type 3 (extracellular) antibody, preincubated with the control peptide antigen.



Expression of Galanin Receptor type 3 in rat hippocampus. Immunohistochemical staining of rat hippocampus using Anti-Galanin Receptor Type 3 (extracellular) antibody. A. Galanin Receptor type 3 (green) appears in apical dendrites of pyramidal neurons in CA1 (arrows). B. MAP2 (red), a marker of axons and dendrites, is stained in the same section. GAL3R appears to be expressed in a subset of apical dendrites (arrows). DAPI is used as the counterstain (blue).