

Product datasheet for **TA328849**

Galr1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3000
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide RSKPGKPRSTTN(C), corresponding to amino acid residues 60-71 of mouse GALR1. 1st intracellular 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 1
Database Link:	NP_032108 Entrez Gene 50577 Rat P56479

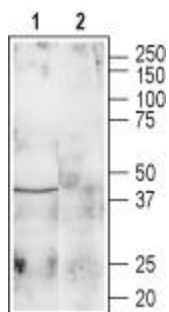
Background: Galanin is a neuropeptide, consisting of 29-30 amino acid residues, involved in the regulation of cognition, mood, feeding, seizure activity and pain. Galanin exerts its action via three known Galanin receptors, the Galanin receptor type 1 (GALR1), Galanin receptor type 2 (GALR2) and Galanin 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.



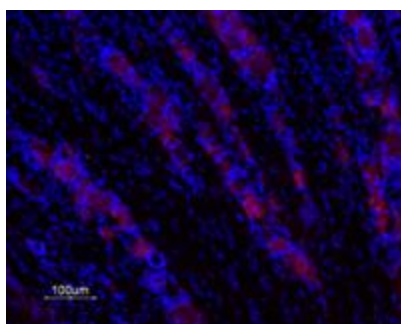
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Synonyms: GAL1-R; GALNR; GALNR1; GALR-1

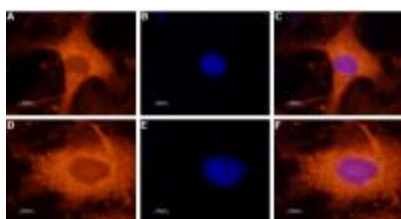
Product images:



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



Expression of GALR1 in DRG. Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen section using Anti-Galanin Receptor Type 1 antibody, (1:200), (red). Galanin Receptor is expressed in DRG neuron cells. Hoechst 33342 is used as the counterstain (blue).



Expression of GALR1 in rat DRG. Immunocytochemical staining of GALR1 in a primary culture of rat dorsal root ganglion (DRG) neurons. A, D. Paraformaldehyde-fixed and permeabilized DRG primary culture stained with Anti-Galanin Receptor Type 1 antibody, (1:100) followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody (red). B, E. Nuclear fluorescence staining of cells using Hoechst 33342 (blue). C. Merged images of panels A and B. F. Merged images of panels D and E.