

Product datasheet for **TA328850**

Galr2 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:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide(C)GSGSQRAKRKVTR, corresponding to amino acid residues 223-235 of mouse Galanin receptor type 2. 3rd 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 2
Database Link:	NP_034384 Entrez Gene 8811 Human Entrez Gene 29234 Rat Entrez Gene 14428 Mouse O88854



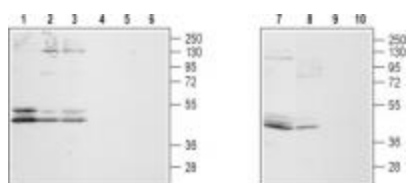
[View online »](#)

Background:

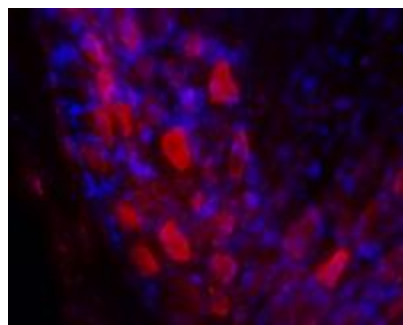
Galanin is a neuropeptide, consisting of 29-30 amino acid residues, involved in the regulation of cognition, mood, feeding, seizure activity and pain. Galanin exerts its action via three known Galanin Receptors, the Galanin Receptor Type 1 (GALR1), Galanin Receptor Type 2 (GALR2) and Galanin Receptor Type 3 (GALR3). The Galanin Receptors belong to the G-Protein Coupled Receptor superfamily. GALR2 is widely expressed in the brain (with highest levels of mRNA found in the hypothalamus, hippocampus, amygdala and pyriform cortex) and in peripheral tissues such as the small intestine, heart, kidney, and liver. GALR2 high levels of expression were also found in rat dorsal root ganglia. GALR2 activation increases inositol phosphate hydrolysis, mediates the release of Ca²⁺ into the cytoplasm from intracellular stores, and opens Ca²⁺-dependent chloride channels in a PTX-resistant manner, indicating that GALR2 couples to Gq/11 proteins.

Synonyms:

GAL2-R; GALNR2; GALR-2; MGC125983; MGC125984

Product images:

Western blot analysis of rat hippocampus, DRG (lanes 2 and 5), brain (lanes 3 and 6), mouse brain (lanes 7 and 9) and human prostate carcinoma LNCaP cell lysates: 1, 2, 3, 7, 8. Anti-Galanin Receptor Type 2 antibody, (1:200). 4, 5, 6, 9, 10. Anti-Galanin Receptor Type 2 antibody, preincubated with the control peptide antigen.



Expression of GALR2 in rat DRG. Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-Galanin Receptor Type 2 antibody, (1:100). GALR2 is expressed in the DRG neurons. Hoechst 33342 is used as the counterstain.