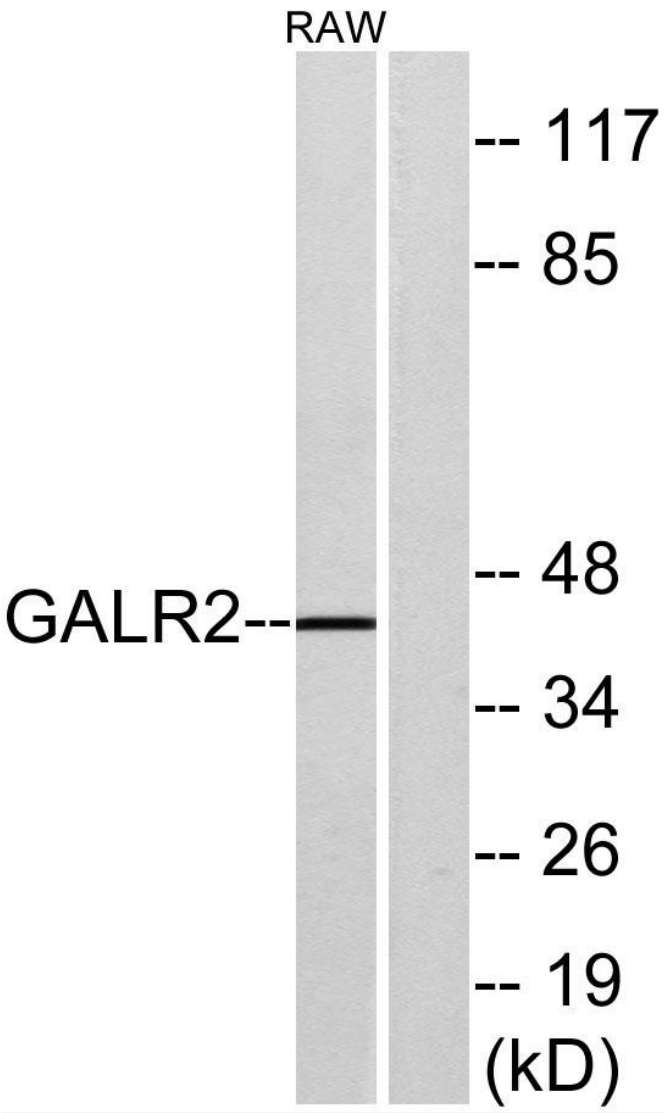
GALR2 Monoclonal Antibody

Catalog No	YP-mAb-13270
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GALR2
Protein Name	Galanin receptor type 2
Immunogen	The antiserum was produced against synthesized peptide derived from human GALR2. AA range:201-250
Specificity	GALR2 Monoclonal Antibody detects endogenous levels of GALR2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GALR2; GALNR2; Galanin receptor type 2; GAL2-R; GALR-2
Observed Band	42kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Expressed abundantly within the central nervous system in both hypothalamus and hippocampus. In peripheral tissues, the strongest expression was observed in heart, kidney, liver, and small intestine.
Function	function:Receptor for the hormone galanin and for GALP. The activity of this receptor is mediated by G proteins that activate the phospholipase C/protein kinase C pathway (via Gq) and that inhibit adenylyl cyclase (via Gi).,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed abundantly within the central nervous system in both hypothalamus and hippocampus. In peripheral tissues, the strongest expression was observed in heart, kidney, liver, and small intestine.,
Background	Galanin is an important neuromodulator present in the brain, gastrointestinal system, and hypothalamopituitary axis. It is a 30-amino acid non-C-terminally amidated peptide that potently stimulates growth hormone secretion, inhibits cardiac vagal slowing of heart rate, abolishes sinus arrhythmia, and inhibits postprandial gastrointestinal motility. The actions of galanin are mediated through interaction with specific membrane receptors that are members of the

	7-transmembrane family of G protein-coupled receptors. GALR2 interacts with the N-terminal residues of the galanin peptide. The primary signaling mechanism for GALR2 is through the phospholipase C/protein kinase C pathway (via Gq), in contrast to GALR1, which communicates its intracellular signal by inhibition of adenylyl cyclase through Gi. However, it has been demonstrated that GALR2 couples efficiently to both the Gq and Gi proteins to simul
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using GALR2 Monoclonal Antibody