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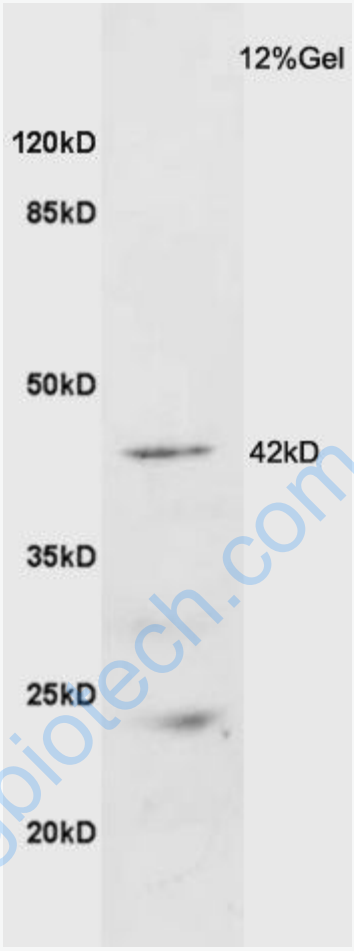
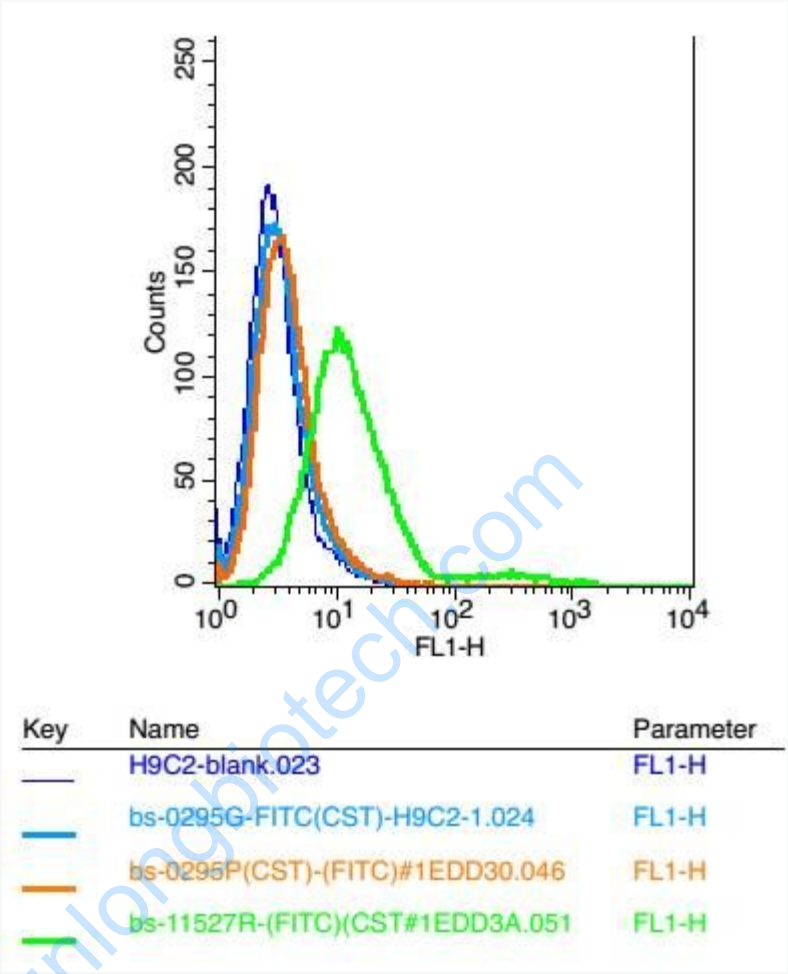
Rabbit Anti-GALR2 antibody

SL11527R

Product Name:	GALR2
Chinese Name:	甘丙肽受体2抗体
Alias:	GAL2-R; GAL2R; Galanin receptor 2; Galanin receptor type 2; GALNR2; GALR-2; GALR2; GALR2_HUMAN; MGC125983; MGC125984.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GALR2:51-150/387<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The 387 amino acid protein galanin receptor-2 (GALR2) protein belongs to a family of G protein-coupled receptors that specifically bind galanin, a neuropeptide distributed throughout the central and peripheral nervous system, the pituitary gland, the gastrointestinal tract and in the endocrine and exocrine pancreas (1-3). GALR2 mRNA is abundant in parvocellular paraventricular nuclei, but in contrast to GALR1, is not

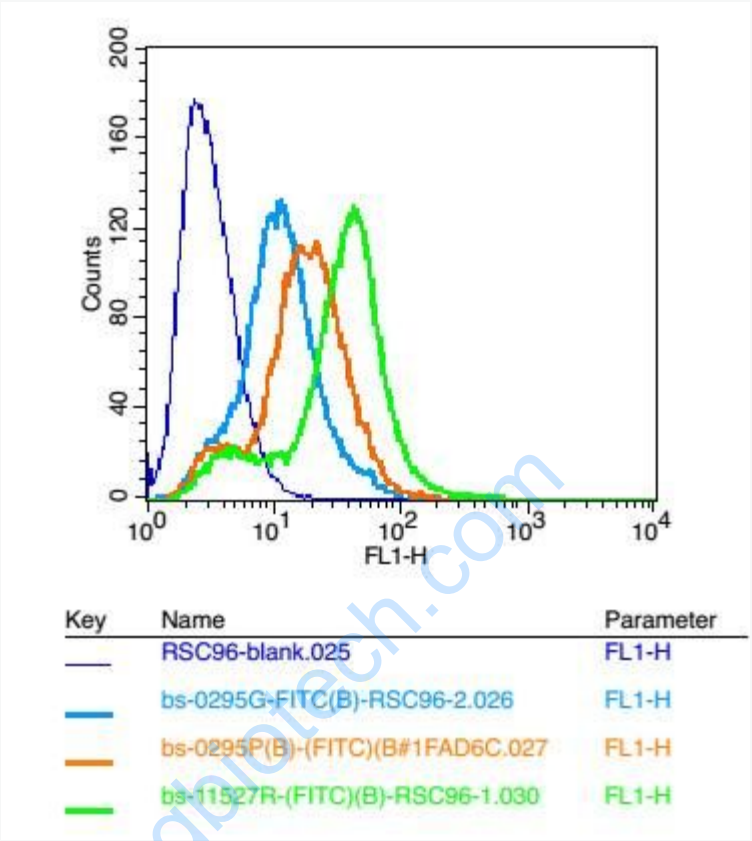
	expressed in magnocellular neurons or in supraoptic nuclei. Like GALR1 mRNA, GALR2 mRNA is expressed in the POMC neurons, dorsomedial nucleus, arcuate nucleus and in restricted peripheral tissue, with highest mRNA levels in human small intestine (2-5). Galanin-like peptide (GALP) is a putative endogenous ligand for GALR2 (2). Binding of GALP to GALR2 results in increased GTPgS binding to the membrane-bound GALR2 (6). GALR2 is therefore a receptor that mediates important functions of galanin in the hypothalamic-pituitary axis, plays a role in hippocampal and cerebellar function (7) and mediates jejunal contraction (8). **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 G(q)) and that inhibit adenylyl cyclase. **Subcellular Location:** 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. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **SWISS:** O43603 **Gene ID:** 8811 **Database links:** **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-GALR2 (SL11527R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL11527R) at 1/5000 dilution Predicted band size: 42 kD Observed band size: 42 kD



Positive control: H9C2

Isotype Control Antibody: Rabbit IgG ; Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 6μg in 100 μL1X PBS containing 0.5% BSA.



Positive control: RSC96

Isotype Control Antibody: Rabbit IgG ; Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1μg in 100 μL1X PBS containing 0.5% BSA.