

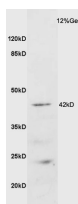
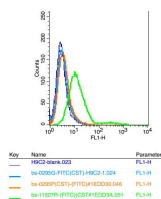
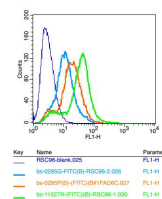
bs-11527R**[Primary Antibody]****GALR2 Rabbit pAb****BioSS**
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DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 8811**Target:** GALR2**Immunogen:** KLH conjugated synthetic peptide derived from human GALR2: 51-150/387. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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 simultaneously activate 2 independent signal transduction pathways. [provided by RefSeq, Jul 2008]**Applications:** WB (1:500-2000)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Pig, Sheep, Cow, Dog, Horse)**Predicted MW.:** 42 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**Sample: Brain (Mouse) Lysate at 40 ug Primary:
Anti-GALR2 (bs-11527R) at 1/300 dilution
Secondary: HRP conjugated Goat-Anti-rabbit IgG
(bs-0295G-HRP) at 1/5000 dilution Predicted
band size: 42 kD Observed band size: 42 kDPositive 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 µL 1X 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 µL 1X PBS containing 0.5% BSA.**SELECTED CITATIONS**

- **[IF=5.923]** Barbara Jana. et al. Regulatory Influence of Galanin and GALR1/GALR2 Receptors on Inflamed Uterus Contractility in Pigs. Int J Mol Sci. 2021 Jan;22(12):6415 WB ;Pig. 34203944
- **[IF=4.4]** Nikolina Canová. et al.Effects of celastrol on the heart and liver galaninergic system expression in a mouse model of Western-type diet-induced obesity and metabolic dysfunction-associated steatotic liver disease and steatohepatitis.front pharmacol.2025 Feb 4;16:1476994. Western Blot ;Mouse. 39968178