SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-GALR3/AF647 Conjugated antibody

Catalog Number: SL11528R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GALR3/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human GALR3 (1-100aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Pig,Horse)
Background:	background: GALR3 a 368 and 370 amino acid protein in human and rat, respectively, belongs to a family of G protein-coupled receptors that bind the neuropeptide galanin, which is distributed throughout the central and peripheral nervous system, the pituitary gland, the gastrointestinal tract and in the endocrine and exocrine pancreas. GALR3 mRNA is widely distributed, but expressed at low abundance. In human, GALR3 mRNA is highly expressed in the hypothalamus, pituitary and testis, and is expressed to a lesser extent in adrenal gland and pancreas. Rat and human GALR3 co-express with potassium channel subunits GIRK1 and GIRK4. Like GALR1, GALR3 signaling pathways lead to the inhibition of adenylate cyclase and to the activation of potassium channels, which are linked to the regulation of neurotransmitter release. Binding of galanin to galanin receptors results in increased feeding, impaired learning, enhanced opiate analgesia and decreased opiate place preference.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Function: Receptor for the hormone galanin. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** UniProtKB/Swiss-Prot: O60755.1 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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