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[Primary Antibody]

Rabbit Anti-GALR3 antibody

Catalog Number: SL11528R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GALR3
Immunogen:	KLH conjugated synthetic peptide derived from human GALR3: 1-100/368 <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℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Horse)
Predicted MW.:	40kDa
Subcellular Location:	The cell membrane
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

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	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. **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:** **Entrez Gene:** 610233 Dog **Entrez Gene:** 101146758 Gorilla **Entrez Gene:** 8484 Human **Entrez Gene:** 14429 Mouse **Entrez Gene:** 100623444 Pig **Entrez Gene:** 29235 Rat NCBI: 4503907 Human Omim: 603692 Human **SwissProt:** O60755 Human **SwissProt:** O88853 Mouse **SwissProt:** O88626 Rat **Unigene:** 158353 Human **Unigene:** 390805 Mouse **Unigene:** 30069 Rat

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