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[Primary Antibody]

Rabbit Anti-Somatostatin Receptor 5 antibody

Catalog Number: SL1139R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Somatostatin Receptor 5
Immunogen:	KLH conjugated synthetic peptide derived from human SSTR5: 201-300/364 <Cytoplasmic>
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 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, Chicken, Dog, Pig, Cow, Sheep)
Predicted MW.:	39kDa
Subcellular Location:	The cell membrane
Background:	Somatostatin and its related peptide cortistatin exert multiple biological actions on normal and tumoral tissue targets by interacting with somatostatin receptors (SSTRs). The protein encoded by this gene is one of the SSTRs, which is a multi-pass membrane protein and belongs to the G-protein coupled receptor 1 family. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase, and different regions of this receptor molecule are required for the activation of different signaling pathways. A mutation in this gene results in somatostatin analog resistance. Alternatively spliced transcript variants have been identified in this gene.[provided by RefSeq, Feb 2010] **Function:** Receptor for somatostatin 28 and to a lesser extent for somatostatin-

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	14. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Adult pituitary gland, heart, small intestine, adrenal gland, cerebellum and fetal hypothalamus. No expression in fetal or adult kidney, liver, pancreas, uterus, spleen, lung, thyroid or ovary. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 6755 Human **Entrez Gene:** 20609 Mouse **Entrez Gene:** 25354 Rat Omim: 182455 Human **SwissProt:** P35346 Human **SwissProt:** O08858 Mouse **SwissProt:** P30938 Rat **Unigene:** 449840 Human **Unigene:** 728117 Human **Unigene:** 353282 Mouse **Unigene:** 91342 Rat SSTR5G-protein coupled The cell membrane receptor,SSTR5plays an important role in the expression and distribution, occurrence and development of Tumour.

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