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Rabbit Anti-Somatostatin Receptor 5 antibody

SL20417R

Product Name:	Somatostatin Receptor 5
Chinese Name:	生长抑素受体5抗体
Alias:	somatostatin receptor 5; SS5R; Somatostatin receptor subtype 5; Somatostatin receptor type 5; SS 5R; SS5 R; SST R5; SSTR 5; SSTR5; SS-5-R; SS5-R; SS5R; SSR5_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=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:	39kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Somatostatin Receptor 5:1-100/3641<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:	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-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.

SWISS:
P35346

Gene ID:
6755

Database links:

Entrez Gene: 6755Human

Omim: 182455Human

SwissProt: P35346Human

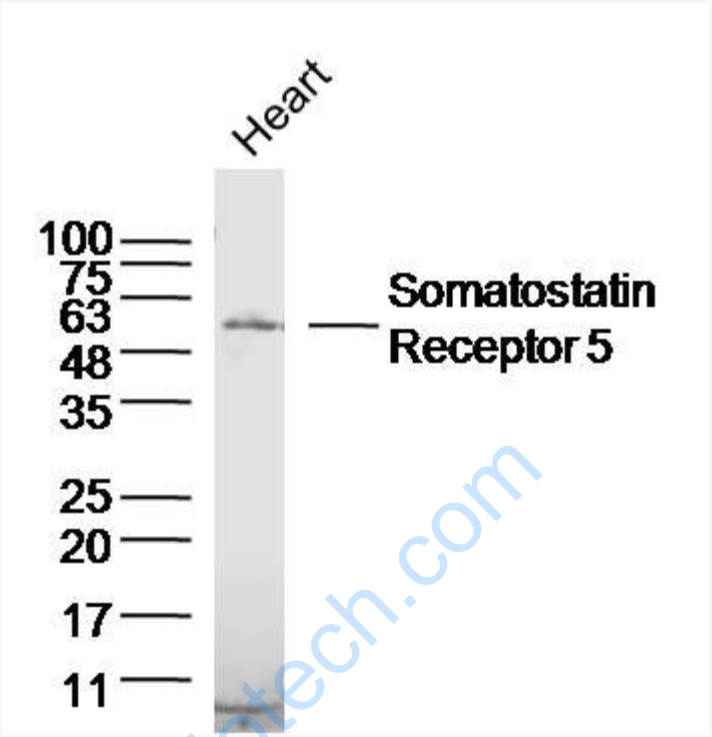
Unigene: 449840Human

Unigene: 728117Human

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

SSTR5为G-蛋白偶联的The cell membrane受体,SSTR5的表达与Tumour的分布、发生和发展中起重要作用。

Picture:



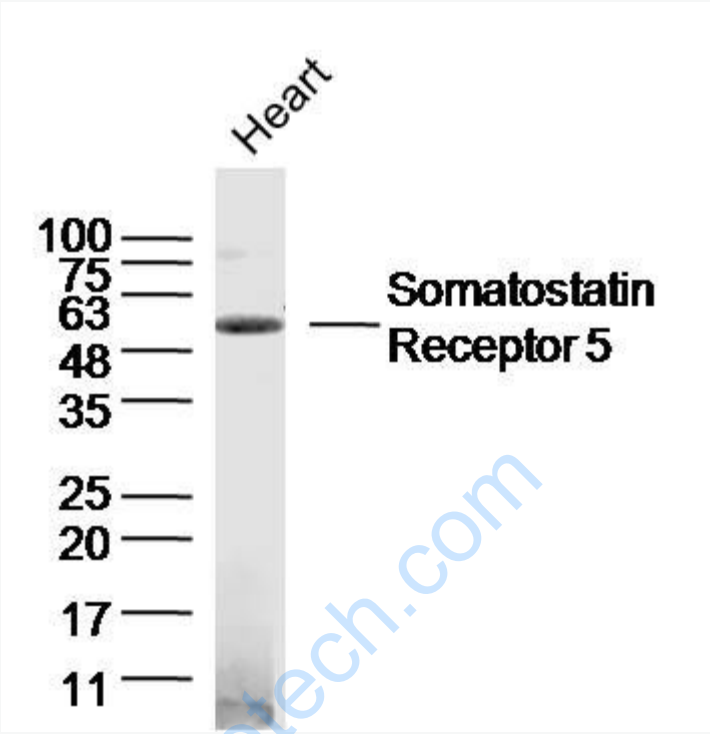
Sample:Heart (Mouse) Lysate at 40 ug

Primary: Anti-Somatostatin Receptor 5 (SL20417R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 39 kD

Observed band size: 50 kD



Sample:Heart (Rat) Lysate at 40 ug

Primary: Anti-Somatostatin Receptor 5 (SL20417R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 39 kD

Observed band size: 50 kD