

Rabbit Anti-Somatostatin Receptor 5/AP Conjugated antibody

SL1139R-AP

Product Name	Anti-Somatostatin Receptor 5/AP
Chinese Name	碱性磷酸酶（AP）标记的生长抑素受体 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.
Research Area	Tumour The cell membrane 受体 G protein-coupled receptor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep)
Applications	WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	39kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SSTR5
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	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-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

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。