

SSTR4 Rabbit pAb

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Catalog # AP57975

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P49660
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42046
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse SSTR4
Epitope Specificity	141-240/385
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR4 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in fetal and adult brain and lung. Its function is to inhibit the release of many hormones and other secretory proteins.

Additional Information

Gene ID	20608
Other Names	Somatostatin receptor type 4, SS-4-R, SS4-R, SS4R, Sstr4, Smstr4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	Sstr4
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Synonyms

Smstr4

Function

Receptor for somatostatin-14. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase. It is functionally coupled not only to inhibition of adenylyl cyclase, but also to activation of both arachidonate release and mitogen-activated protein (MAP) kinase cascade.

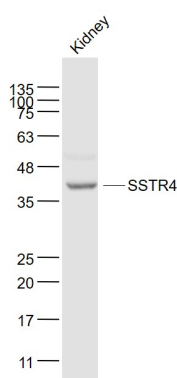
Cellular Location

Cell membrane; Multi-pass membrane protein.

Background

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Images

**Sample:**

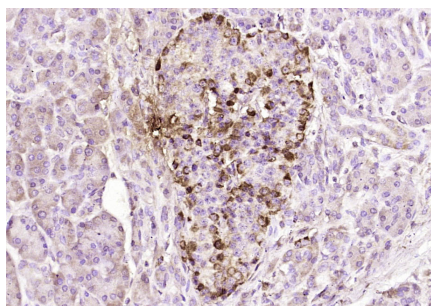
Kidney (Mouse) Lysate at 40 ug

Primary: Anti- SSTR4 (AP57975) at 1/1000 dilution

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

Predicted band size: 42 kD

Observed band size: 42 kD



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SSTR4) Polyclonal Antibody, Unconjugated (AP57975) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.