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**Product Name: SSTR4 Rabbit Polyclonal Antibody****Catalog #: APRab18310**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	42kDa

**Antigen Information**

<b>Gene Name</b>	SSTR4
<b>Alternative Names</b>	SSTR4; Somatostatin receptor type 4; SS-4-R; SS4-R; SS4R
<b>Gene ID</b>	6754.0
<b>SwissProt ID</b>	P31391
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SSTR4. AA range:155-204

**Background**

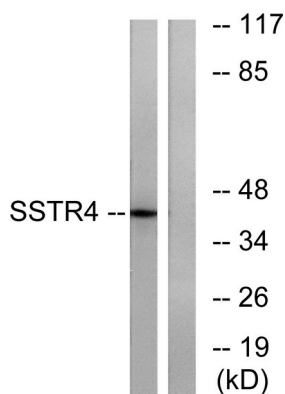
Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of

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. [provided by RefSeq, Jul 2008],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. Mediates antiproliferative action of somatostatin in tumor cells.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Specifically expressed in fetal and adult brain, lung tissue, stomach, and in lesser quantities in the kidney, pituitary and adrenals.,

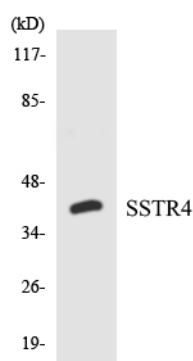
## Research Area

Neuroactive ligand-receptor interaction;

## Image Data



Western blot analysis of lysates from LOVO cells, using SSTR4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using SSTR4 antibody.