

## anti- SSTR2 antibody

### Product Information

Catalog No.:	FNab08253
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Receptor for somatostatin-14 and-28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. Inhibits calcium entry by suppressing voltage-dependent calcium channels. Acts as the functionally dominant somatostatin receptor in pancreatic alpha-and beta-cells where it mediates the inhibitory effect of somatostatin-14 on hormone secretion. Inhibits cell growth through enhancement of MAPK1 and MAPK2 phosphorylation and subsequent up-regulation of CDKN1B. Stimulates neuronal migration and axon outgrowth and may participate in neuron development and maturation during brain development. Mediates negative regulation of insulin receptor signaling through PTPN6. Inactivates SSTR3 receptor function following heterodimerization.

### Immunogen information

Immunogen:	somatostatin receptor 2
Synonyms:	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. SSTR2 is a member of the

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superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney.

Observed MW: 41 kDa

UniprotID : P30874

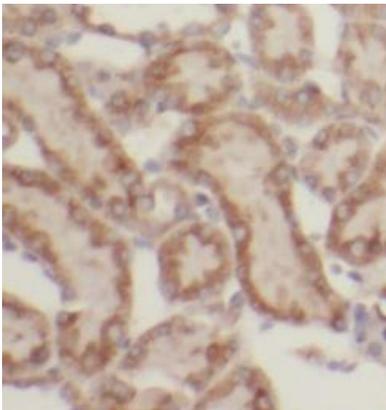
### Application

Reactivity: Human, Mouse, Rat

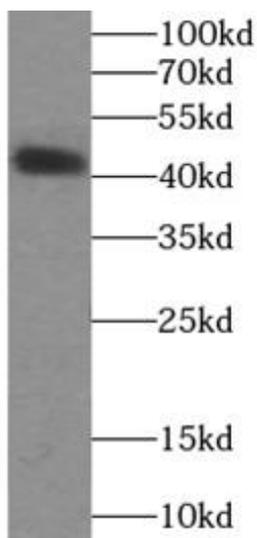
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500-1:1000; IHC: 1:50-1:100

Image:



Immunohistochemistry of paraffin-embedded human kidney tissue slide using FNab08253( SSTR2 Antibody) at dilution of 1:50



SW480 cells were subjected to SDS PAGE followed by western blot with FNab08253(SSTR2 antibody) at dilution of 1:500

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