

For Research Use Only

# SSTR2 Polyclonal antibody

Catalog Number: 20404-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 20404-1-AP	<b>GenBank Accession Number:</b> BC019610	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6752	<b>Recommended Dilutions:</b> IHC 1:200-1:800 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P30874	
<b>Isotype:</b> IgG	<b>Full Name:</b> somatostatin receptor 2	
<b>Immunogen Catalog Number:</b> AG14205	<b>Calculated MW:</b> 369 aa, 41 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, IF	<b>IHC :</b> mouse pancreas tissue, human pancreas tissue, human kidney tissue, mouse stomach tissue
<b>Species Specificity:</b> human, mouse	<b>IF/ICC :</b> Neuro-2a cells,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Somatostatin receptor 2 (SSTR2) is a G-protein coupled membrane receptor expressed in a variety of neural and neurosecretory tissue types. In neuroendocrine tumors (NETs), in which Somatostatin receptors (SSTRs) are commonly expressed, the detection of SSTR2 expression has both diagnostic and therapeutic potential. Besides NETs, SSTR2 immunostaining can be detected in other types of tumor cells(PMID:34786053). Moreover, SSTR2 is consistently expressed in Olfactory neuroblastoma (ONB) suggesting a role for somatostatin-analog based imaging and therapy in this disease. More generally, SSTR2 may be another marker of neuroendocrine differentiation in ONB(PMID:33929681). SSTR2 has 2 isoforms with the MW of 40-41 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Eva-Maria Klebermass	36030760	Appl Radiat Isot	IHC
Jaemyung Jang	37667395	Acta Neuropathol Commun	IF

## Storage

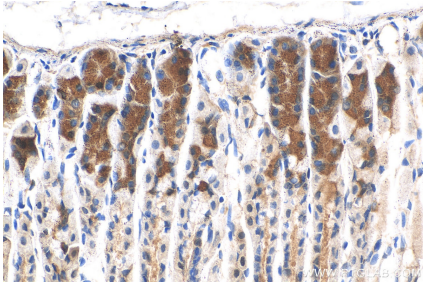
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

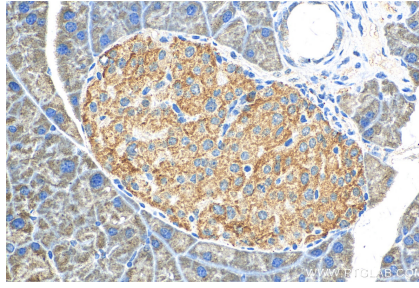
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

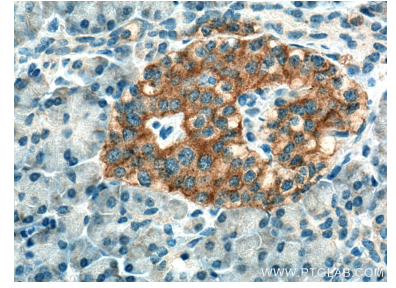
## Selected Validation Data



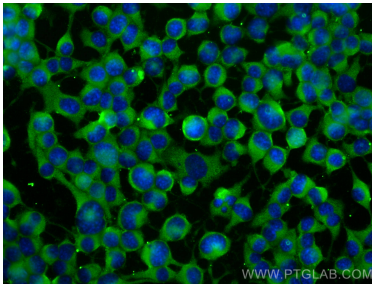
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 20404-1-AP (SSTR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 20404-1-AP (SSTR2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 20404-1-AP (SSTR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed Neuro-2a cells using SSTR2 antibody (20404-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).