

For Research Use Only

SSTR2 Polyclonal antibody

Catalog Number: 20404-1-AP **2 Publications**



Basic Information

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

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse pancreas tissue, human pancreas tissue, human kidney tissue, mouse stomach tissue
Cited Applications: IF, IHC	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

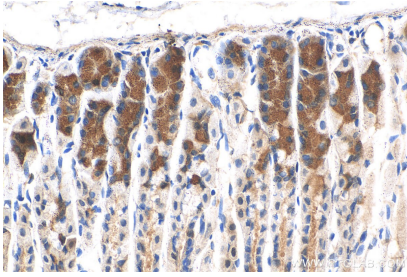
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

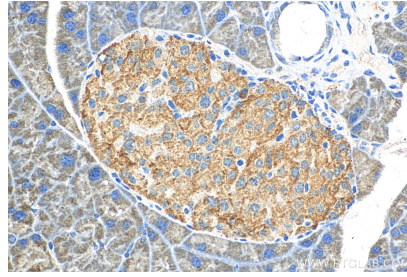
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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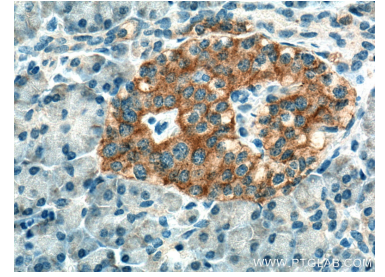
Selected Validation Data



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).