

SSTR5 Polyclonal Antibody

Catalog NumberPA5-34224

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	3.8 µg/mL
Immunogen	Synthetic 18 amino acid peptide from C-terminus of human SSTR5.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Percent identity with other species by BLAST analysis: Human (100%) Gorilla, Marmoset (94%).

Background/Target Information

Somatostatin is a multifunctional protein affecting exocrine and endocrine protein secretion, neurotransmission, and neuronal modulation and regulating cell proliferation. All these functions of Somatostatin are executed through a class of GPCR protein family members called somatostatin receptor. Till date, 6 classes of somatostatin receptors have been discovered out of which SSTR5, 364A.A protein, is a receptor subtype expressed predominantly in the pituitary and hypothalamus region of brain. Studies revealed that SSTR5 contains seven transmembrane regions and undergoes homodimerization and also heterodimerizes with SSTR1. Although the specific functions of SSTR5 are still elusive, the studies indicate that it complements SSTR2 regulation of ACTH secretion. Polymorphisms in SSTR5 gene have been observed in patients with acromegaly.

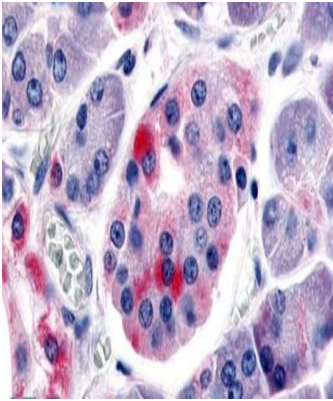
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Product Images For SSTR5 Polyclonal Antibody



SSTR5 Antibody (PA5-34224) in IHC (P)

Immunohistochemical analysis of formalin-fixed paraffin-embedded human pancreas using a SSTR5 polyclonal antibody (Product # PA5-34224). Heat-induced antigen retrieval was performed prior to staining.

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