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SSTR3 Rabbit pAb

Catalog # AP97295

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P32745
Other Accession	P32745
Reactivity	Rat, Human, Mouse
Predicted	Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45847
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SSTR3
Epitope Specificity	121-230/418
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Phosphorylated. Phosphorylation increases upon somatostatin binding.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the somatostatin receptor protein family. Somatostatins are peptide hormones that regulate diverse cellular functions such as neurotransmission, cell proliferation, and endocrine signaling as well as inhibiting the release of many hormones and other secretory proteins. Somatostatin has two active forms of 14 and 28 amino acids. The biological effects of somatostatins are mediated by a family of G-protein coupled somatostatin receptors that are expressed in a tissue-specific manner. Somatostatin receptors form homodimers and heterodimers with other members of the superfamily as well as with other G-protein coupled receptors and receptor tyrosine kinases. This protein is functionally coupled to adenylyl cyclase. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Additional Information

Gene ID	6753
Other Names	SS-3-R; SS3-R; SS3R; SSR-28; SST3; Smstr-3; Smstr3; SSTR; Smstr28; SSR3_HUMAN; SSTR3; SSR3_MOUSE; SSR3_RAT; somatostatin receptor 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SSTR3
Function	Receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase.
Cellular Location	Cell membrane; Multi-pass membrane protein. Note=Internalized into endoplasmic vesicles upon somatostatin-stimulation.
Tissue Location	Brain, pituitary and pancreas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.