ELK Biotechnology

SSTR1 rabbit pAb

Cat No.:ES7291

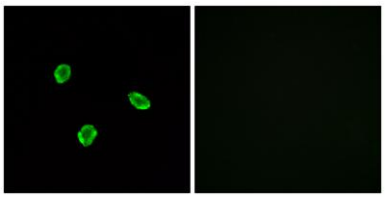
For research use only

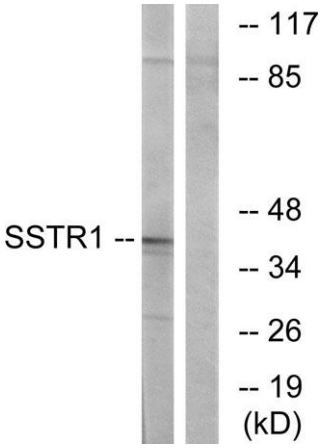
Overview

Product Name	SSTR1 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human SSTR1. AA range:9-58
Specificity	SSTR1 Polyclonal Antibody detects endogenous levels of SSTR1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Somatostatin receptor type 1
Gene Name	SSTR1
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	43kD
Human Gene ID	6751
Human Swiss-Prot Number	P30872
Alternative Names	SSTR1; Somatostatin receptor type 1; SS-1-R; SS1-R; SS1R; SRIF-2
Background	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. The protein encoded by this gene is a member of the superfamily of somatostatin receptors having seven transmembrane segments. 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 somatostatin receptor has greater affinity for somatostatin-14 than -28. [provided by RefSeq, Jul 2012],

Immunofluorescence analysis of A549 cells, using SSTR1 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from COS7 cells, using SSTR1 Antibody. The lane on the right is blocked with the synthesized peptide.

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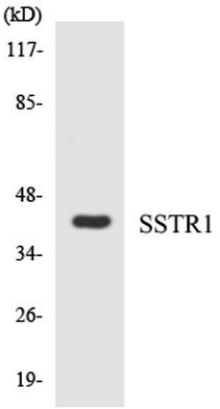

Western blot analysis of the lysates from COLO205 cells using SSTR1 antibody.

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