

SSTR1 rabbit pAb**Cat#: orb770166 (Manual)**

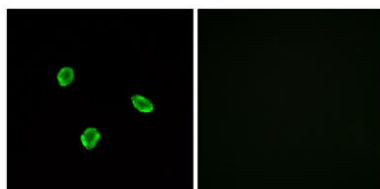
For research use only. Not intended for diagnostic use.

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|---------------------------------|---|
| 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 |

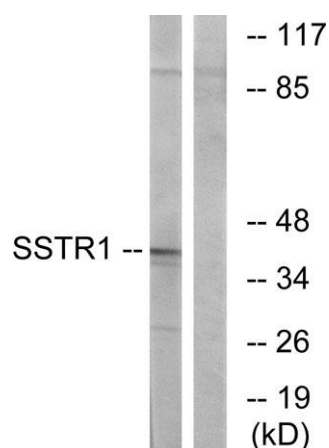
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| Concentration | 1 mg/ml |
| Observed band | 43kD |
| Human Gene ID | 6751 |
| Human Swiss-Prot Number | P30872 |
| Alternative Names | SSTR1; Somatostatin receptor type 1; SS-1-R; SS1-R; SS1R; SRIF-2 |

Background

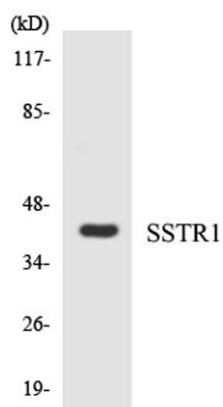
Somatostatins are peptide hormones that regulate diverse cellular functions such as neurotransmission, cell proliferation, and endocrine signaling as well as inhibiting the release of many hormones and other secretory proteins. Somatostatin has two active forms of 14 and 28 amino acids. The biological 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.



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