

Anti-Somatostatin Receptor 1 Antibody

Catalog # ABO11003

Product Information

Application	WB, IHC-P
Primary Accession	P30872
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Somatostatin receptor type 1(SSTR1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6751
Other Names	Somatostatin receptor type 1, SS-1-R, SS1-R, SS1R, SRIF-2, SSTR1
Calculated MW	42686
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Rat, Human, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Rat, Human, Mouse
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach.
Source	Eukaryota
Protein Name	Somatostatin receptor type 1(SS-1-R/SS1-R/SS1R)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Somatostatin Receptor 1(361-381aa RAYSVEDFQPENLESGGVFRN), identical to the related rat and mouse sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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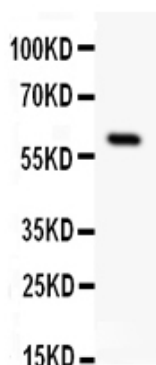
Protein Information

Name	SSTR1
Function	Receptor for somatostatin with higher affinity for somatostatin-14 than -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and Na(+)/H(+) exchanger via pertussis toxin insensitive G proteins.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Fetal kidney, fetal liver, and adult pancreas, brain, lung, jejunum and stomach

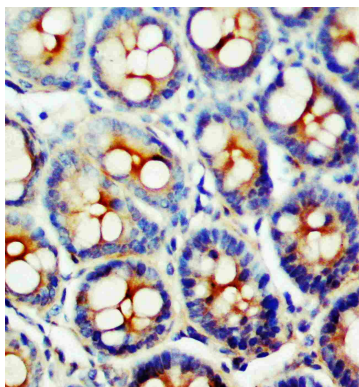
Background

SSTR1 (Somatostatin receptor type 1) is a protein that in humans is encoded by the SSTR1 gene. The SSTR1 gene is mapped to chromosome 14. Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biological effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. The encoded protein is a member of the superfamily of somatostatin receptors having seven transmembrane segments, and is expressed in highest levels in jejunum and stomach.

Images



Anti-SSTR1 antibody, ABO11003, Western blotting
All lanes: Anti SSTR1 (ABO11003) at 0.5ug/ml
WB: Rat Intestine Tissue Lysate at 50ug
Predicted bind size: 43KD
Observed bind size: 60KD



Anti-SSTR1 antibody, ABO11003, IHC(P)
IHC(P): Rat Intestine Tissue