Product Name: SSTR3 Mouse Monoclonal Antibody
Catalog #: AMM81320
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	45.8kDa

Antigen Information

Gene Name	SSTR3
Alternative Names	SS3R; SS3-R; SS-3-R; SSR-28
Gene ID	6753.0
SwissProt ID	P32745
Immunogen	Purified recombinant fragment of human SSTR3 (AA: 1-43) expressed in E. Coli.

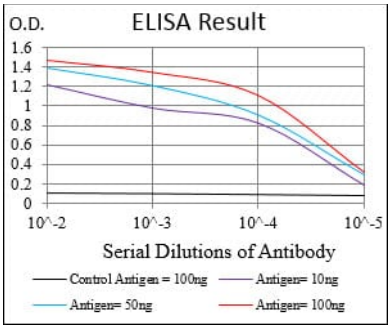
Background

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

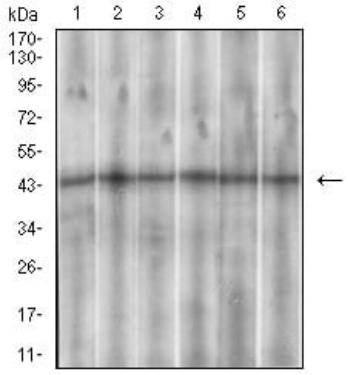
effects of somatostatins are mediated by a family of G-protein coupled somatostatin receptors that are expressed in a tissue-specific manner. Somatostatin receptors form homodimers and heterodimers with other members of the superfamily as well as with other G-protein coupled receptors and receptor tyrosine kinases. This protein is functionally coupled to adenylyl cyclase. Alternate splicing results in multiple transcript variants.

Research Area

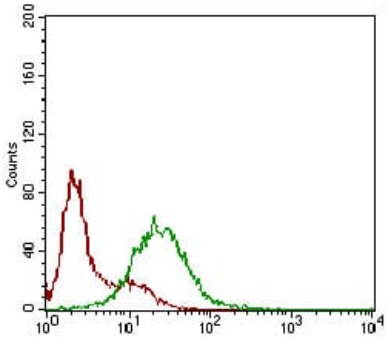
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using SSTR3 mouse mAb against Hela (1), PANC-1 (2), PC-12 (3),SK-N-SH (4), U937 (5) and HepG2 (6) cell lysate.



Flow cytometric analysis of Hela cells using SSTR3 mouse mAb (green) and negative control (red).