Somatostatin Receptor Type 2 (SSTR2) Antibody

Mouse Monoclonal Antibody [Clone SSTR2/7532]

Catalog No	Format	Size
6752-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6752-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6752-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

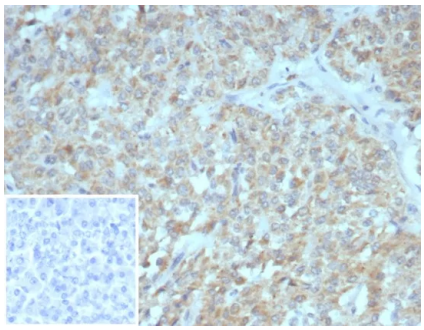
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

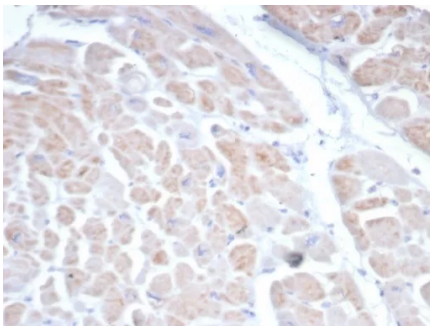
Clone	SSTR2/7532
Gene Name	SSTR2
Immunogen	Recombinant fragment (around aa300-500) of human SSTR2 (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Lambda
Mol. Weight of Antigen	87/148 kDa
Cellular Localization	Cell surface.
Species Reactivity	Human
Positive Control	colon and liver.|Human Cerebrum and kidney. In lesser amounts in jejunum

**Optimal dilution for a specific application should be determined.*

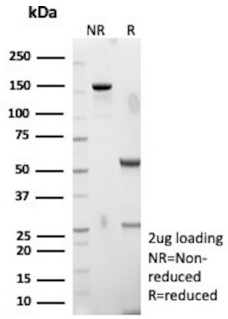
Product Images for Somatostatin Receptor Type 2 (SSTR2) Antibody



Formalin-fixed, paraffin-embedded human pancreas stained with Somatostatin Receptor 2 Mouse Monoclonal Antibody (SSTR2/7532). Inset: PBS instead of primary antibody; secondary only negative control.



Formalin-fixed, paraffin-embedded human heart stained with Somatostatin Receptor 2 Mouse Monoclonal Antibody (SSTR2/7532). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis Purified SSTR2 Mouse Monoclonal Antibody (SSTR2/7532). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

SSTRs (for somatostatin receptors) represent a family of G protein-coupled receptors which mediate the diverse biological actions of somatostatin (SST). There are five distinct subtypes of SSTRs that bind two natural ligands, SST-14 and SST-28. SSTR2 gives rise to spliced variants, SSTR2A and 2B. SSTRs share common signaling pathways such as the ability to inhibit adenylyl cyclase via GTP binding proteins. Some of the subtypes are also coupled to tyrosine phosphatase (SSTR1,2), Ca2+ channels (SSTR2), Na+/H+ exchanger (SSTR1), PLA-2 (SSTR4), and MAP kinase (SSTR4). Individual target cells typically express more than one SSTR subtype and often all five isoforms. Subtypes of SSTR can form functional homo- and heterodimers.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.