

Mouse anti-Human Somatostatin Receptor Type 2 Monoclonal Antibody | anti-SSTR2 antibody

Somatostatin Receptor Type 2 (SSTR2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14651	Mouse	Human	Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay

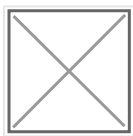
PRODUCT SYNONYMS

Somatostatin Receptor Type 2; Monoclonal Antibody; Somatostatin Receptor Type 2 (SSTR2); Anti -Somatostatin Receptor Type 2 (SSTR2); anti-SSTR2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	8B44
Specificity	Recognizes human Somatostatin Receptor Type 2. Stains SSTR2 transfectants but not irrelevant transfectants.
Purity/Purification	Purified by Protein A affinity chromatography from hybridoma culture supernatant.
Form/Format	Supplied as a lyophilized powder from PBS, pH 7.4, 5% trehalose. Reconstitute with 200ul sterile PBS.
Concentration	~0.5 mg/mL (after reconstitution). (varies by lot)
Applicable Applications for anti-SSTR2 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	Suitable for use in Flow Cytometry, Immunocytochemistry and Immunohistochemistry. Dilution: Flow Cytometry (Intercellular staining): 2.5ug labels 10e6 cells. Human breast cancer cell line fixed with paraformaldehyde and permeabilized with saponin. Immunocytochemistry: 8-25ug/ml. Immersion fixed MDA-MB-231 human breast cancer cell line. Immunohistochemistry: 8-25ug/ml. Immersion fixed paraffin-embedded sections of human brain (cingulate cortex) Optimal dilutions to be determined by researcher.
Immunogen	Recombinant protein corresponding to Met1-Ile369 from human Somatostatin Receptor Type2, expressed in NSO cells.
Grade	Affinity purified
Preparation and Storage	Lyophilized and reconstituted products are stable for 12 months after receipt at -20°C. Reconstitute with sterile PBS. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



FCM (Flow Cytometry)

Flow Cytometry analysis of SSTR2 in human cell line. Human breast cancer cell line was stained with AAA14651 (filled histogram) or isotype control antibody (open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG F(ab')2 secondary antibody. To facilitate intracellular staining, cells were fixed with paraformaldehyde and permeabilized with saponin.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of SSTR2 in human cell line. SSTR2 was detected in immersion fixed human breast cancer cell line using AAA14651 (10ug/ml) for 3 hours at RT. Cells were stained with NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (brown) and counterstained with DAPI (blue).



IHC (Immunohistochemistry)

Immunohistochemistry analysis of SSTR2 in human brain. SSTR2 was detected in immersion fixed paraffin-embedded sections of human brain (cingulate cortex) using AAA14651 (3ug/ml) overnight at 4°C. Tissue was stained with the Anti-Mouse HRP-DAB (brown) and counterstained with hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-SSTR2 antibody	Somatostatin Receptor 2 (SSTr2) is one of five 7-transmembrane G-protein-coupled receptors for somatostatins 14 and 28. Human SSTr2 shares 84% aa identity with mouse SSTr2 within the extracellular domains. Isoform B (357aa) has an alternate C-terminal cytoplasmic region that is 12aa shorter than that of isoform A (369aa, reported as 93kD). Both are expressed in brain, stomach, intestinal epithelia, pancreatic islets and kidney tubules. Isoform B is also expressed in parotid, thyroid and bronchial glands.
Product Categories/Family for anti-SSTR2 antibody	Antibodies ; Abs to Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557859
NCBI GeneID	6752
NCBI Accession #	NP_001041.1
NCBI GenBank Nucleotide #	NM_001050.2
UniProt Accession #	P30874 ; Q4VBP0 ; Q96GE0 ; Q96TF2 ; Q9BWH1 ; A8K3Y0
NCBI Official Full Name	somatostatin receptor type 2
NCBI Official Synonym Full Names	somatostatin receptor 2
NCBI Official Symbol	SSTR2
NCBI Official Synonym Symbols	SSTR2
NCBI Protein Information	somatostatin receptor type 2; SS2R; SRIF-1
UniProt Protein Name	Somatostatin receptor type 2
UniProt Gene Name	SSTR2
UniProt Entry Name	SSR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

