Mouse SMS Monoclonal Antibody | anti-SMS antibody

SMS antibody

CATALOG #	HOST	APPLICATIONS
AAA107313	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

SMS; Monoclonal Antibody; SMS antibody; Monoclonal SMS; Anti-SMS; Spermine synthase; SPMSY; MRSR; SpS; Snyder-Robinson X-linked mental retardation syndrome; Spermidine aminopropyltransferase; anti-SMS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	2G8
Purity/Purification	SMS antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	366
Applicable Applications for anti-SMS antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	The protein encoded by this gene belongs to the spermidine/spermine synthases family. This gene encodes an ubiquitous enzyme of polyamine metabolism.
Cross-Reactivity	Human
Immunogen	SMS antibody was raised in mouse using a full length recombinant protein of human SMS (NP_004586) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant SMS protein using SMS antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of SMS protein in paraffin embedded Adenocarcinoma of Human colon tissue using SMS antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SMS protein (Right) or empty vector (Left) detected with SMS antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SMS antibody	Mouse monoclonal SMS antibody
Product Categories/Family for anti-SMS antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264341
NCBI GeneID	6611
NCBI Accession #	NP_004586
NCBI GenBank Nucleotide #	NM_004595.4
UniProt Accession #	P52788; O00544; Q9UQS1; A6NHA7; A6NI34; B2R9M0
Molecular Weight	35,278 Da
NCBI Official Full Name	spermine synthase isoform 1
NCBI Official Synonym Full Names	spermine synthase
NCBI Official Symbol	SMS
NCBI Official Synonym Symbols	SRS; SpS; MRSR; SPMSY
NCBI Protein Information	spermine synthase
UniProt Protein Name	Spermine synthase
UniProt Gene Name	**SMS**
UniProt Synonym Gene Names	SPMSY
UniProt Entry Name	SPSY_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/sms-antibody-clone-2g8-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/107313