

Product datasheet for **TA503101AM**

Spermine synthase (SMS) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2H1]

Product data:

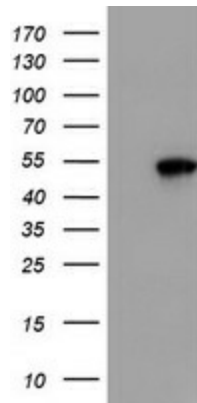
| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2H1 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:500~2000, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Dog, Monkey, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human SMS(NP_004586) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 41.1 kDa |
| Gene Name: | spermine synthase |
| Database Link: | NP_004586 Entrez Gene 20603 MouseEntrez Gene 363469 RatEntrez Gene 480861 DogEntrez Gene 698179 MonkeyEntrez Gene 6611 Human P52788 |
| Background: | The protein encoded by this gene belongs to the spermidine/spermine synthases family. This gene encodes an ubiquitous enzyme of polyamine metabolism. [provided by RefSeq] |
| Synonyms: | MRSR; SPMSY; SpS; SRS |



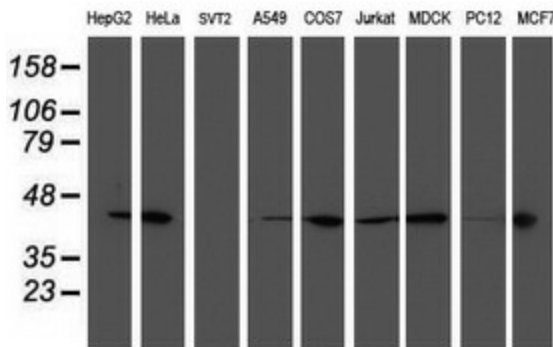
[View online »](#)

Protein Pathways: Arginine and proline metabolism, beta-Alanine metabolism, Cysteine and methionine metabolism, Glutathione metabolism, Metabolic pathways

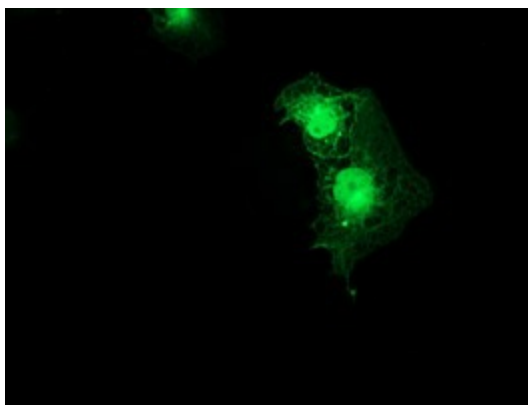
Product images:



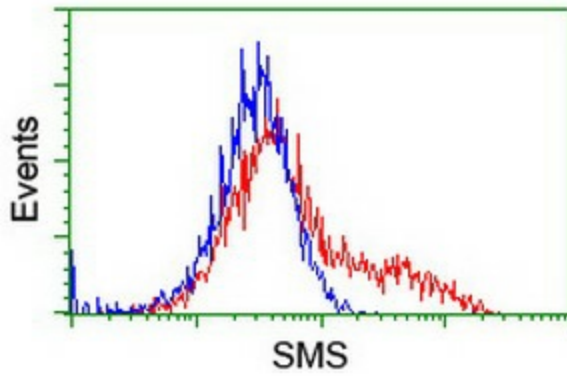
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SMS ([RC200619], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SMS. Positive lysates [LY417877] (100ug) and [LC417877] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SMS monoclonal antibody.



Anti-SMS mouse monoclonal antibody ([TA503101]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SMS ([RC200619]).



HEK293T cells transfected with either [RC200619] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SMS antibody ([TA503101]), and then analyzed by flow cytometry.