

KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1463**Specification****KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P52788
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 41 kDa , observed, 41 kDa KDa
Gene Name	SMS
Aliases	SMS; Spermine Synthase; SPMSY; MRSR; Spermidine Aminopropyltransferase; SpS; SRS; Snyder-Robinson X-Linked Mental Retardation Syndrome; EC 2.5.1.22; MRXSSR; SPS
Immunogen	A synthesized peptide derived from human Spermine synthase

KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody - Additional Information

Gene ID	6611
Other Names	
Spermine synthase, SPMSY, 2.5.1.22, Spermidine aminopropyltransferase, SMS {ECO:0000303 PubMed:14508504, ECO:0000312 HGNC:HGNC:11123}	

KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody - Protein Information

Name SMS {ECO:0000303|PubMed:14508504, ECO:0000312|HGNC:HGNC:11123}

Function

Catalyzes the production of spermine from spermidine and decarboxylated S-adenosylmethionine (dcSAM).

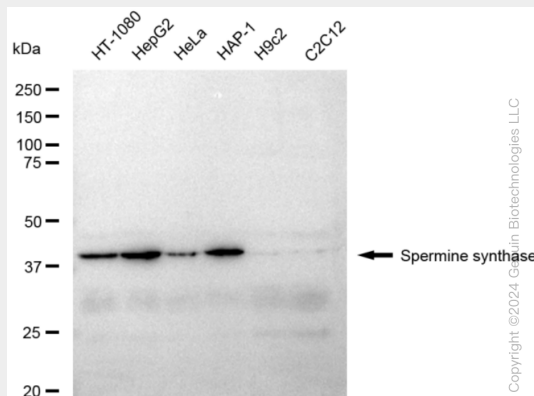
KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

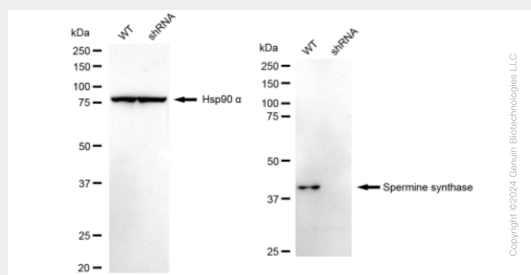
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

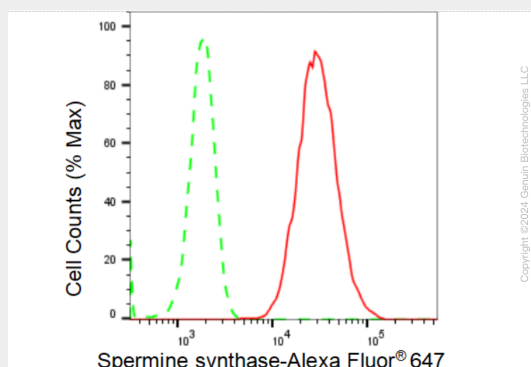
KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody - Images



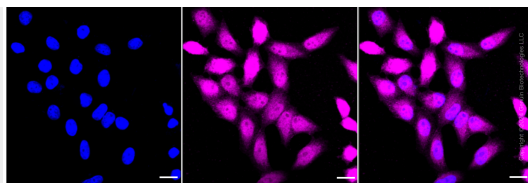
Western blotting analysis using anti-Spermine synthase antibody (Cat#AGI1463). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Spermine synthase antibody (Cat#AGI1463, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Spermine synthase antibody (Cat#AGI1463). Spermine synthase expression in wild type (WT) and Spermine synthase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Spermine synthase antibody (Cat#AGI1463, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Spermine synthase expression in HepG2 cells using Spermine synthase antibody (Cat#AGI1463, 1:2,000). Green, isotype control; red, Spermine synthase



Immunocytochemical staining of HepG2 cells with Spermine synthase antibody (Cat#AGI1463, 1:1,000). Nuclei were stained blue with DAPI; Spermine synthase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.