10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

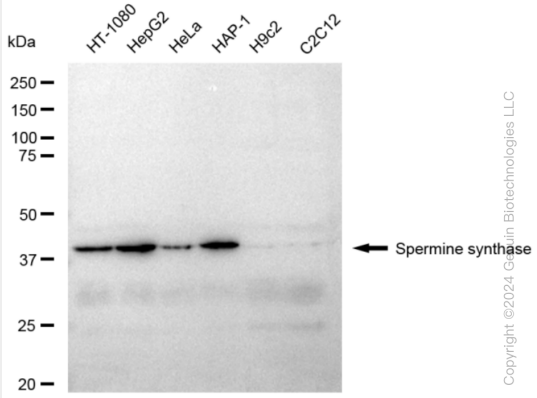
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

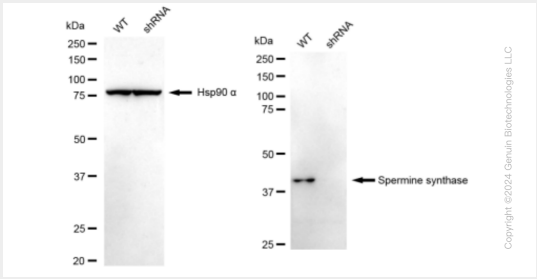
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

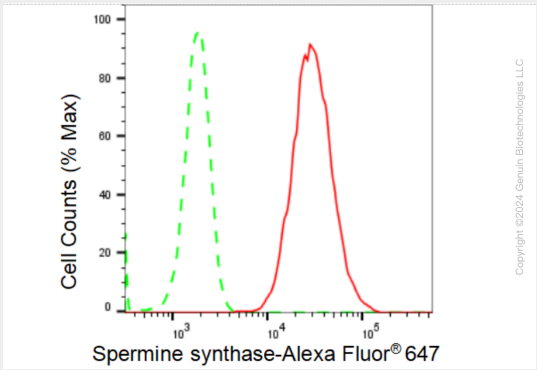
KD-Validated Anti-Spermine synthase Rabbit Monoclonal Antibody - Images



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.

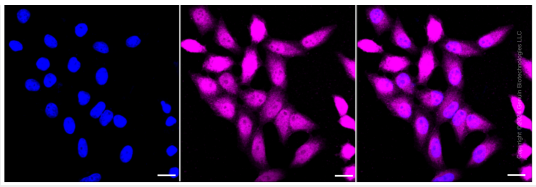


Western blotting analysis using anti-Spermine synthase antibody (Cat#AGI1463). Spermine synthase expression in wild type (WT) and Spermine synthase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Spermine synthase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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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 µm.