
Product Name: KD-Validated Spermine Synthase Mouse Monoclonal Antibody**Catalog #: KVA01931**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000
Molecular Weight	Calculated MW: 41.3kDa

Antigen Information

Gene Name	SMS
Alternative Names	SMS; Spermine Synthase; SPMSY; MRSR; SpS; Spermidine Aminopropyltransferase; SRS; Snyder-Robinson X-Linked Mental Retardation Syndrome; EC 2.5.1.22; MRXSSR
Gene ID	6611.0
SwissProt ID	P52788
Immunogen	Recombinant protein of human SMS

Background

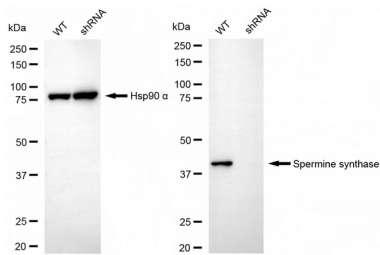
This gene encodes a protein belonging to the spermidine/spermin synthase family and catalyzes the production of spermine from spermidine. Pseudogenes of this gene are located on chromosomes 1, 5, 6 and X. Mutations in this gene cause an X-linked intellectual disability called Snyder-Robinson Syndrome (SRS). Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Jul 2017]

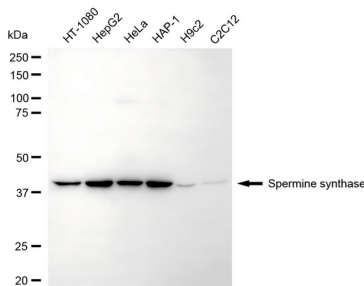
Research Area

Signal Transduction

Image Data



Western blotting analysis using spermine synthase antibody (KVA01931). Spermine synthase expression in wild-type (WT) and spermine synthase (SMS) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with spermine synthase antibody (KVA01931, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using spermine synthase antibody (KVA01931). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with spermine synthase antibody (KVA01931, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.