SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Spermine synthase antibody

Catalog Number: SL8681R

FOR RESEARCH USE ONLY

[DATASHEET]

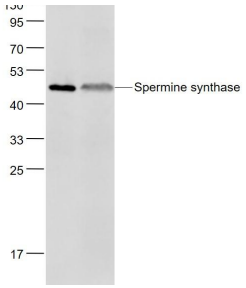
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Spermine synthase
Immunogen:	KLH conjugated synthetic peptide derived from human Spermine synthase: 245-350/366
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Cow,Horse,Rabbit)
Predicted MW.:	41kDa
Background:	Spermine synthase catalyzes the production of spermine from spermidine. Spermine, a polyamine ubiquitously present in most organisms, is essential for normal cell growth and differentiation. Because absence of spermine increases sensitivity of cells to anti-tumor agents, spermine synthase (and other polyamine biosynthesis) is an attractive target for anti-neoplastic therapy. **Function:** Catalyzes the production of spermine from spermidine and decarboxylated S-adenosylmethionine (dcSAM). **Subunit:** Homodimer. Dimerization is mediated through the N-terminal domain and seems to be required for activity as deletion of the N-terminal domain causes complete loss of activity. DISEASE: efects in SMS are the cause of X-linked syndromic mental retardation Snyder-Robinson type (MRXSSR) [MIM:309583]. Characterized by moderate intellectual deficit, hypotonia, an unsteady gait, osteoporosis, kyphoscoliosis and facial asymmetry. Transmission is X-linked recessive. **Similarity:** Belongs to the spermidine/spermine synthase family.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 6611 Human **Entrez Gene:** 20603 Mouse **Entrez Gene:** 671878 Mouse **Entrez Gene:** 363469 Rat Omim: 300105 Human **SwissProt:** P52788 Human **SwissProt:** P97355 Mouse

[VALIDATION IMAGES]



Sample:
Raw264.7 (Mouse) Cell Lysate at 30 ug
Spleen (Mouse) Lysate at 40 ug
Primary: Anti- Spermine synthase (SL8681R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 41 kD
Observed band size: 46 kD

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