



Rabbit Anti-DEGS1 antibody

SL4057R

Product Name:	DEGS1
Chinese Name:	退化性精母细胞同源物1抗体
Alias:	Degenerative spermatocyte homolog 1; Degenerative spermatocyte homolog 1 lipid desaturase; Degenerative spermatocyte homolog lipid desaturase; DEGS 1; DEGS; Des 1; DES1; Dihydroceramide desaturase; FADS7; Membrane fatty acid (lipid) desaturase; Membrane lipid desaturase; MGC5079; MIG15v Migration inducing gene 15 protein; MLD; Sphingolipid delta 4 desaturase; Sphingolipid delta(4) desaturase DES1.DEGS1 HUMAN
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DEGS1:21-120/323
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	DEGS1 is a member of the membrane fatty acid desaturase family which is responsible for inserting double bonds into specific positions in fatty acids. It contains three His

containing consensus motifs that are characteristic of a group of membrane fatty acid desaturases. It has sphingolipid-delta-4-desaturase activity and converts D-erythro-sphinganine to D-erythro-sphingosine (E-sphing-4-enine).

Function:

Has sphingolipid-delta-4-desaturase activity. Converts D-erythro-sphinganine to D-erythro-sphingosine (E-sphing-4-enine).

Subcellular Location:

Mitochondrion. Endoplasmic reticulum membrane; Multi-pass membrane protein.

Tissue Specificity:

Ubiquitous.

Post-translational modifications:

Myristoylation can target the enzyme to the mitochondria leading to an increase in ceramide levels.

Similarity:

Belongs to the fatty acid desaturase family. DEGS subfamily.

SWISS:

O15121

Gene ID:

8560

Database links:

[Entrez Gene: 507290](#)Cow

[Entrez Gene: 8560](#)Human

[Entrez Gene: 13244](#)Mouse

[Entrez Gene: 58970](#)Rat

[Entrez Gene: 100192315](#)Sheep

[SwissProt: Q3ZBY7](#)Cow

[SwissProt: O15121](#)Human

[SwissProt: O09005](#)Mouse

[SwissProt: Q5XIF5](#)Rat

Important Note:

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

www.sunlongbiotech.com