

DEGS1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58122

Specification

DEGS1 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession <u>O15121</u>

Reactivity
Host
Clonality
Calculated MW
Physical State
Rat, Pig, Bovine
Rabbit
Polyclonal
35 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human DEGS1

Epitope Specificity 21-120/323

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Mitochondrion. Endoplasmic reticulum

membrane; Multi-pass membrane protein.

SIMILARITY Belongs to the fatty acid desaturase family. DEGS subfamily.

ranniy. DEGG Subranniy

Post-translational modifications Myristoylation can target the enzyme to

the mitochondria leading to an increase in

ceramide levels.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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).

DEGS1 Polyclonal Antibody - Additional Information

Gene ID 8560

Other Names

Sphingolipid delta(4)-desaturase DES1, 1.14.19.17, Cell migration-inducing gene 15 protein, Degenerative spermatocyte homolog 1, Dihydroceramide desaturase-1, Membrane lipid desaturase, DEGS1 (HCNC:13709) DES1 MLD

target="_blank">HGNC:13709), DES1, MLD



Target/Specificity Ubiquitous.

Dilution

- WB~~1:1000/span><br \> <span class</pre>
- ="dilution_IHC-P">IHC-P \sim N/A<br \> <span class
- ="dilution IHC-F">IHC-F~~N/A<br \><span class
- ="dilution_IF">IF \sim 1:50 \sim 200<br\>E \sim N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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 $^{\circ}$ C.

DEGS1 Polyclonal Antibody - Protein Information

Name DEGS1 (HGNC:13709)

Synonyms DES1, MLD

Function

Has sphingolipid-delta-4-desaturase activity. Converts D- erythro-sphinganine to D-erythro-sphingosine (E-sphing-4-enine) (PubMed:11937514, PubMed:30620337, PubMed:30620338). Catalyzes the equilibrium isomerization of retinols (By similarity).

Cellular Location

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

Tissue Location Ubiquitous..

DEGS1 Polyclonal 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 Cytomety
- Cell Culture

DEGS1 Polyclonal Antibody - Images