

DEGS1 polyclonal antibody

Catalog # PAB9854

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DEGS1.
Immunogen	A synthetic peptide corresponding to human DEGS1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — DEGS1

Entrez GeneID	8560
Gene Name	DEGS1

Gene Alias	DEGS, DES1, Des-1, FADS7, MGC5079, MIG15, MLD
Gene Description	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the membrane fatty acid desaturase family which is responsible for inserting double bonds into specific positions in fatty acids. This protein contains three His-containing consensus motifs that are characteristic of a group of membrane fatty acid desaturases. It is predicted to be a multiple membrane-spanning protein localized to the endoplasmic reticulum. Overexpression of this gene inhibited biosynthesis of the EGF receptor, suggesting a possible role of a fatty acid desaturase in regulating biosynthetic processing of the EGF receptor. Two splice variants have been identified. [provided by RefSeq]
Other Designations	OTTHUMP00000035598 degenerative spermatocyte homolog 1, lipid desaturase degenerative spermatocyte homolog, lipid desaturase dihydroceramide desaturase membrane fatty acid (lipid) desaturase migration-inducing gene 15 protein sphingolipid delta 4 desaturase

Publication Reference

- [Identification and characterization of a sphingolipid delta 4-desaturase family.](#)

Ternes P, Franke S, Zähringer U, Sperling P, Heinz E.

The Journal of Biological Chemistry 2002 Jul; 277(28):25512.

- [The product of the MLD gene is a member of the membrane fatty acid desaturase family: overexpression of MLD inhibits EGF receptor biosynthesis.](#)

Cadena DL, Kurten RC, Gill GN.

Biochemistry 1997 Jun; 36(23):6960.

Application: IF, WB-Ce, WB-Tr, Human, Monkey, HeLa, CV1, 293 EBNA cells

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)