

ARG42783
anti-DEGS1 / MLD antibodyPackage: 100 µl
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes DEGS1 / MLD
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DEGS1 / MLD
Species	Human
Immunogen	Synthetic peptide of Human DEGS1 / MLD.
Conjugation	Un-conjugated
Alternate Names	MLD; DEGS; DES1; Des-1; FADS7; MIG15; DEGS-1; Sphingolipid delta(4)-desaturase DES1; EC 1.14.-.-; Cell migration-inducing gene 15 protein; Degenerative spermatocyte homolog 1; Membrane lipid desaturase

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	~ 36 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DEGS1
Gene Full Name	delta(4)-desaturase, sphingolipid 1
Background	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. [provided by RefSeq, Mar 2010]
Function	Has sphingolipid-delta-4-desaturase activity. Converts D-erythro-sphinganine to D-erythro-sphingosine (E-sphing-4-enine). [UniProt]
Calculated Mw	38 kDa
PTM	Myristoylation can target the enzyme to the mitochondria leading to an increase in ceramide levels. [UniProt]
Cellular Localization	Mitochondrion. Endoplasmic reticulum membrane; Multi-pass membrane protein. Membrane; Lipid-anchor. [UniProt]

Images

