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DEGS1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13411a

Specification

DEGS1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession O15121

DEGS1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 8560

Other Names
Sphingolipid delta(4)-desaturase DES1, 114--, Cell migration-inducing gene 15 protein, Degenerative spermatocyte homolog 1, Membrane lipid desaturase, DEGS1, DES1, MLD

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13411a was selected from the N-term region of DEGS1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DEGS1 Antibody (N-term) Blocking peptide - 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 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

DEGS1 Antibody (N-term) Blocking peptide - Images

DEGS1 Antibody (N-term) Blocking peptide - Background

This gene encodes a member of the membrane fatty aciddesaturase family which is responsible for inserting double bondsinto specific positions in fatty acids. This protein contains threeHis-containing consensus motifs that are characteristic of a groupof membrane fatty acid desaturases. It is predicted to be amultiple membrane-spanning protein localized to the endoplasmicreticulum. Overexpression of this gene inhibited biosynthesis ofthe EGF receptor, suggesting a possible role of a fatty aciddesaturase in regulating biosynthetic processing of the EGFreceptor.

DEGS1 Antibody (N-term) Blocking peptide - References

Idkowiak-Baldys, J., et al. Biochem. J. 427(2):265-274(2010)Kraveka, J.M., et al. J. Biol. Chem. 282(23):16718-16728(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Ternes, P., et al. J. Biol. Chem. 277(28):25512-25518(2002)