

DEGS1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13411A

Specification

DEGS1 Antibody (N-term) - Product Information

| | |
|-------------------|-----------------------------|
| Application | WB, IHC-P,E |
| Primary Accession | O15121 |
| Other Accession | NP_003667.1 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 37866 |
| Antigen Region | 1-30 |

DEGS1 Antibody (N-term) - Additional Information

Gene ID 8560

Other Names

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

Target/Specificity

This DEGS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DEGS1.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DEGS1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DEGS1 Antibody (N-term) - 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

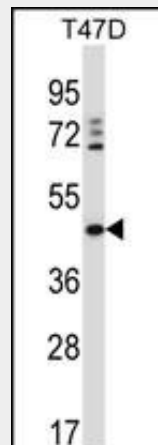
Ubiquitous..

DEGS1 Antibody (N-term) - Protocols

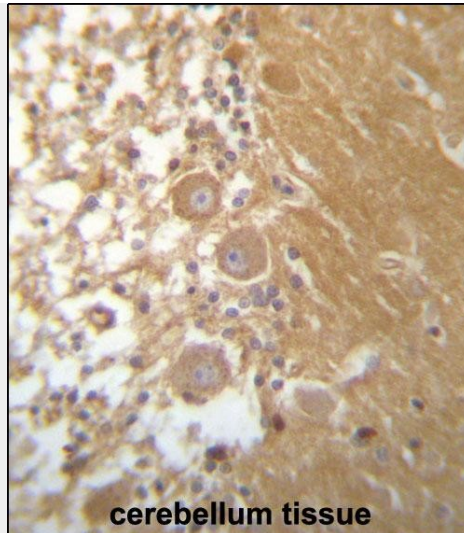
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DEGS1 Antibody (N-term) - Images



DEGS1 Antibody (N-term) (Cat. #AP13411a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the DEGS1 antibody detected the DEGS1 protein (arrow).



DEGS1 Antibody (N-term) (Cat. #AP13411a) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DEGS1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

DEGS1 Antibody (N-term) - 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.

DEGS1 Antibody (N-term) - 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)