

DEGS2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10582B

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6QHC5
Other Accession	Q8R2F2 , Q0II71 , NP_996801.2
Reactivity	Human
Predicted	Mouse, Bovine, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27857
Calculated MW	37197
Antigen Region	261-290

Additional Information

Gene ID	123099
Other Names	Sphingolipid delta(4)-desaturase/C4-hydroxylase DES2, 1---, 114--, Degenerative spermatocyte homolog 2, DEGS2 (HGNC:20113), C14orf66
Target/Specificity	This DEGS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-290 amino acids from the C-terminal region of human DEGS2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	DEGS2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DEGS2 (HGNC:20113)
Synonyms	C14orf66

Function	Bifunctional enzyme which acts both as a sphingolipid delta(4)-desaturase and a sphingolipid C4-monooxygenase.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q8R2F2}; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q8R2F2}
Tissue Location	Highly expressed in skin, intestine and kidney.

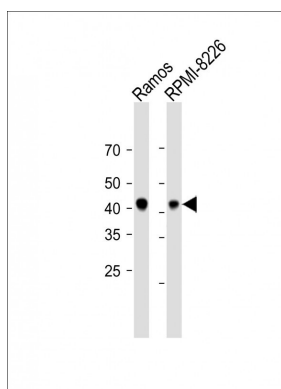
Background

DEGS2 encodes a bifunctional enzyme that is involved in the biosynthesis of phytosphingolipids in human skin and in other phytosphingolipid-containing tissues. This enzyme can act as a sphingolipid delta(4)-desaturase, and also as a sphingolipid C4-hydroxylase.

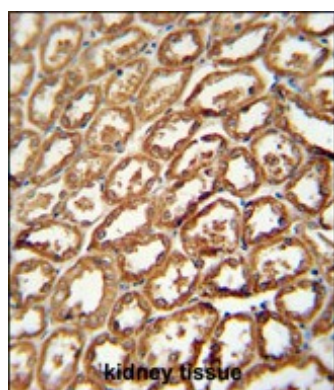
References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
 Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
 Mizutani, Y., et al. FEBS Lett. 563 (1-3), 93-97 (2004) :

Images



All lanes: Anti-DEGS2 Antibody (C-term) at 1:2000 dilution
 Lane 1: Ramos whole cell lysate Lane 2: RPMI-8226 whole cell lysate
 Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 42 KDa
 Blocking/Dilution buffer: 5% NFDM/TBST.



DEGS2 antibody (C-term) (Cat. #AP10582b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DEGS2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.