

Rabbit DEGS2 Polyclonal Antibody | anti-DEGS2 antibody

DEGS2 Antibody (C-term)

CATALOG # AAA289726	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine, Mouse)	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DEGS2; Polyclonal Antibody; DEGS2 Antibody (C-term); Sphingolipid delta(4)-desaturase/C4-hydroxylase DES2; 1---; 114--; Degenerative spermatocyte homolog 2; DEGS2 HGNC:20113; C14orf66; anti-DEGS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	261-290
Applicable Applications for anti-DEGS2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Function	Bifunctional enzyme which acts as both 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.
Preparation and 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.

IMAGES



IHC (Immunohistochemistry)

DEGS2 antibody (C-term) 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.



WB (Western Blot)

DEGS2 Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the DEGS2 antibody detected the DEGS2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DEGS2 antibody	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) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	207113139
NCBI GeneID	123099
NCBI Accession #	NP_996801.2
NCBI GenBank Nucleotide #	NM_206918.2
UniProt Accession #	Q6QHC5; Q6P492
Molecular Weight	37197
NCBI Official Full Name	sphingolipid delta(4)-desaturase/C4-hydroxylase DES2
NCBI Official Synonym Full Names	delta(4)-desaturase, sphingolipid 2
NCBI Official Symbol	DEGS2
NCBI Official Synonym Symbols	DES2; FADS8; C14orf66
NCBI Protein Information	sphingolipid delta(4)-desaturase/C4-hydroxylase DES2
UniProt Protein Name	Sphingolipid delta(4)-desaturase/C4-hydroxylase DES2
UniProt Gene Name	DEGS2
UniProt Entry Name	DEGS2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/degs2-antibody-immunohistochemistry-western-blot-elisa/289726>