Rabbit anti-Human DEGS1 Polyclonal Antibody | anti-DEGS1 antibody

DEGS1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285701	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

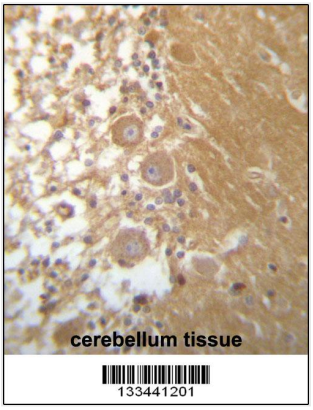
PRODUCT SYNONYMS

DEGS1; Polyclonal Antibody; DEGS1 Antibody (N-term); Sphingolipid delta(4)-desaturase DES1; 114--; Cell migration-inducing gene 15 protein; Degenerative spermatocyte homolog 1; Membrane lipid desaturase; DES1; MLD; anti-DEGS1 antibody

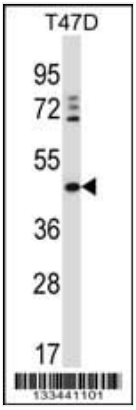
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
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.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	1-30
Sequence Length	323
Applicable Applications for anti-DEGS1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
DEGS1 Antibody (N-term) 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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-DEGS1 antibody	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.
Product Categories/Family for anti-DEGS1 antibody	Cancer; Cardiovascular
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505193
NCBI GeneID	8560
NCBI Accession #	NP_003667.1
NCBI GenBank Nucleotide #	NM_003676.3
UniProt Accession #	O15121
Molecular Weight	37866
NCBI Official Full Name	sphingolipid delta(4)-desaturase DES1
NCBI Official Synonym Full Names	delta(4)-desaturase, sphingolipid 1
NCBI Official Symbol	DEGS1
NCBI Official Synonym Symbols	MLD; DEGS; DES1; Des-1; FADS7; MIG15; DEGS-1

NCBI Protein Information	sphingolipid delta(4)-desaturase DES1
UniProt Protein Name	Sphingolipid delta(4)-desaturase DES1
UniProt Gene Name	**DEGS1**
UniProt Synonym Gene Names	DES1; MLD
UniProt Entry Name	DEGS1_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/degs1-antibody-immunohistochemistry-western-blot-elisa/285701