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Zuschläge

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- Trockeneiszuschlag
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- Expressversand

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Product Number	ARP45501_P050
Product Page	www.avivasysbio.com/degs1-antibody-n-terminal-region-arp45501-p050.html
Name	DEGS1 Antibody - N-terminal region (ARP45501_P050)
Protein Size (# AA)	323 amino acids
Molecular Weight	38 kDa
NCBI Gene Id	8560
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Delta(4)-desaturase, sphingolipid 1
Alias Symbols	MLD, DEGS, DES1, Des-1, FADS7, HLD18, MIG15, DEGS-1
Peptide Sequence	Synthetic peptide located within the following region: GSRVSREDFEWVYTDQPHADRRREILAKYPEIKSLMKPDPNLIWIIMMV
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reference	Kraveka, J.M., (2007) J. Biol. Chem. 282 (23), 16718-16728
Description of Target	DEGS1 is 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 protein inhibited biosynthesis of the EGF receptor, suggesting a possible role of a fatty acid desaturase in regulating biosynthetic processing of the EGF receptor. 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. Two splice variants have been identified.
Protein Interactions	UBC; NAGPA; UBD; EGFR; TSSC1; SURF4; SLC16A1; PYGM;
Reconstitution and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.
Enhanced Validation	Relative Expression (Western Blot) 
Datasheets/Manuals	Printable datasheet for anti-DEGS1 (ARP45501_P050) antibody
Blocking Peptide	For anti-DEGS1 (ARP45501_P050) antibody is Catalog # AAP45501 (Previous Catalog # AAPP26566)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human DEGS1
Uniprot ID	O15121
Protein Name	Sphingolipid delta(4)-desaturase DES1
Protein Accession #	NP_003667
Purification	Affinity Purified
Nucleotide Accession #	NM_003676
Tested Species Reactivity	Human
Gene Symbol	DEGS1

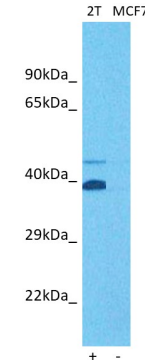
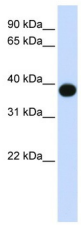
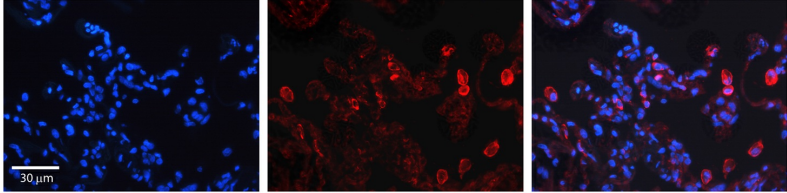
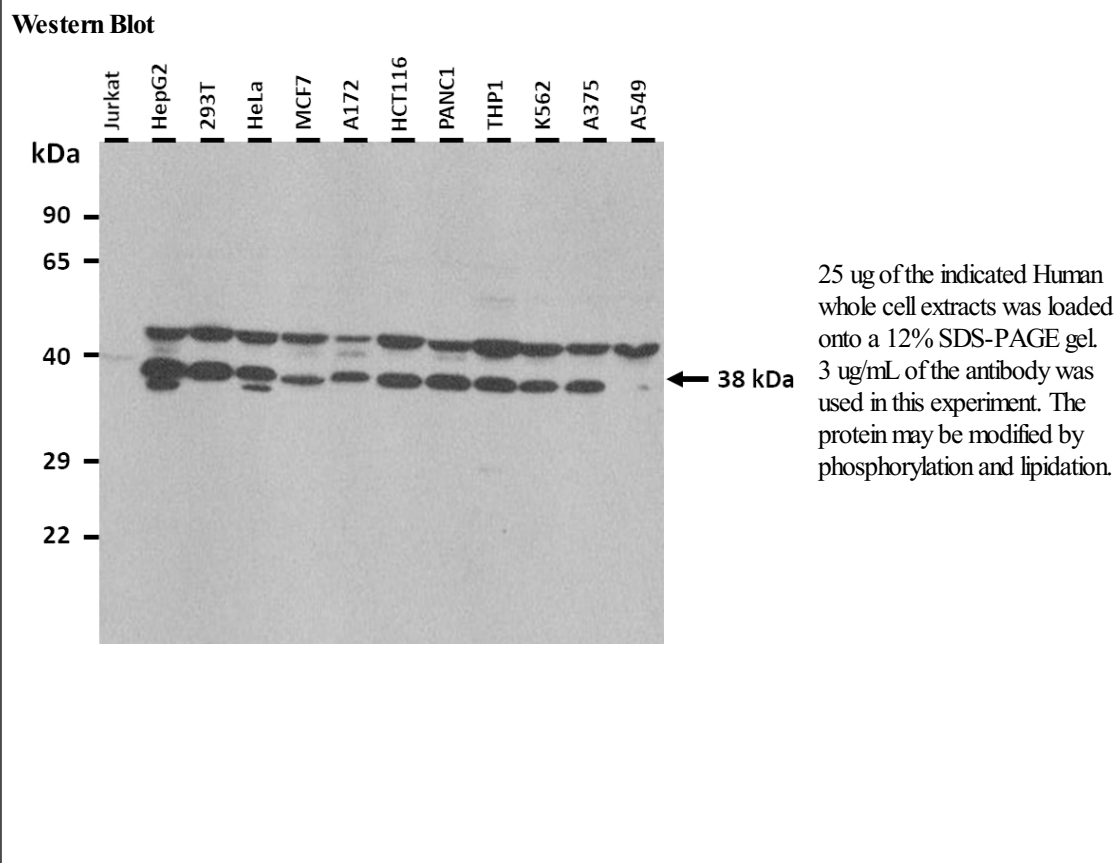
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Goat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish		
Application	WB, IHC		
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Goat: 86%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Sheep: 93%; Zebrafish: 93%		
Image 1	293T, MCF7  Host: Rabbit Target name: DEGS1 Positive control: ~25ug 293T Cell Lysate (2T) Negative control: ~25ug MCF7 Cell Lysate (MCF7) Antibody concentration: 1ug/ml Host: Rabbit Target: DEGS1 Positive control (+): 293T (2T) Negative control (-): MCF7 (N10) Antibody concentration: 1ug/ml		
Image 2	Human Muscle  WB Suggested Anti-DEGS1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle		
Image 3	Human Lung Tissue  DEGS1 antibody - N-terminal region (ARP45501_P050) Catalog Number: ARP45501_P050 Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue Observed Staining: Cytoplasm of pneumocytes Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec		

Image 4



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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