

Product datasheet for **TA349884**

DEGS1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse small intestine and skin tissue IHC: 100-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DEGS1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	delta(4)-desaturase, sphingolipid 1
Database Link:	NP_659004 Entrez Gene 13244 Mouse Entrez Gene 58970 Rat Entrez Gene 8560 Human O15121



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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.

Synonyms:

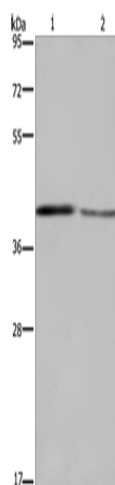
DEGS; Des-1; DES1; FADS7; MGC5079; MIG15; MLD

Protein Families:

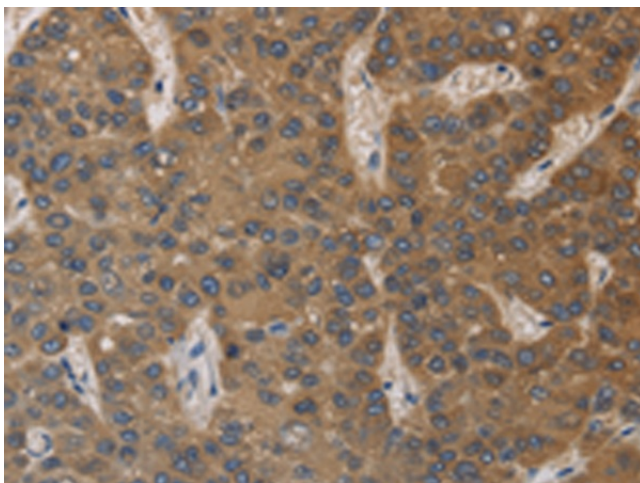
Druggable Genome, Transmembrane

Protein Pathways:

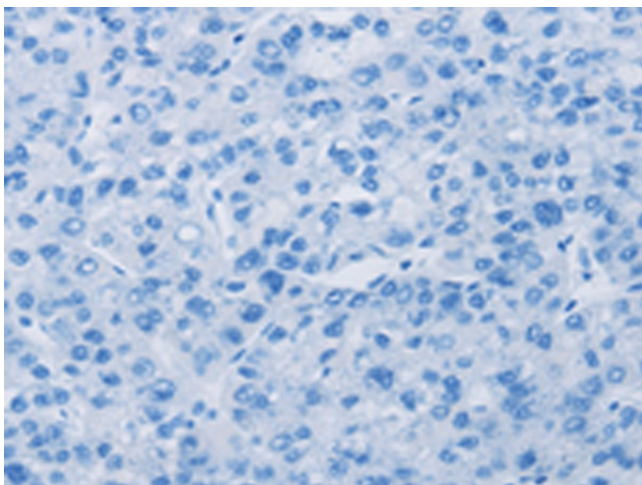
Metabolic pathways, Sphingolipid metabolism

Product images:


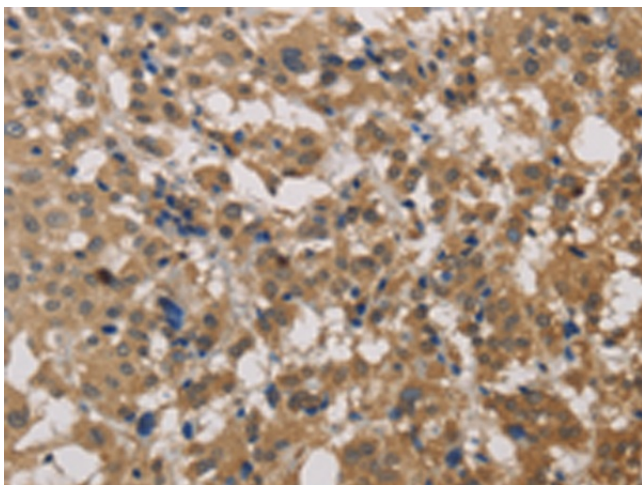
Gel: 8%SDS-PAGE
 Lysate: 40 µg
 Lane 1-2: Mouse small intestine tissue
 Mouse skin tissue
 Primary antibody: TA349884 (DEGS1 Antibody) at dilution 1/450
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 5 minutes



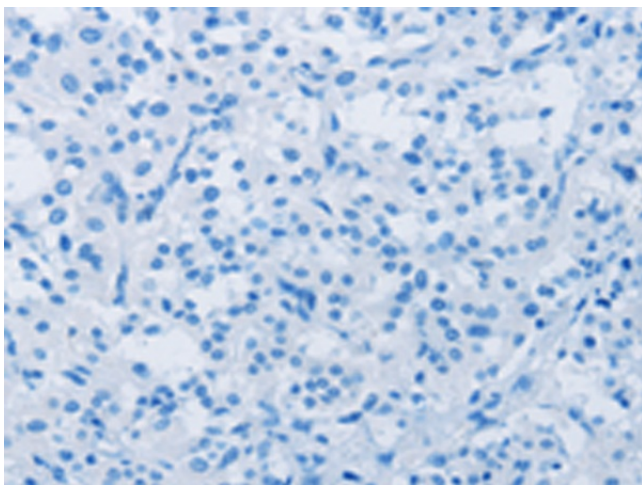
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349884 (DEGS1 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349884 (DEGS1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349884 (DEGS1 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349884 (DEGS1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: $\times 200$)