

Datasheet for ABIN2782243
anti-DEGS1 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	DEGS1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish (Danio rerio), Cow, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DEGS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DEGS1
Sequence:	GSRVSREDFE WVYTDQPHAD RRREILAKYP EIKSLMKPDP NLIWIIIMMV
Predicted Reactivity:	Cow: 100%, Goat: 86%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Sheep: 93%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against DEGS1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DEGS1
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Target Details

Alternative Name: DEGS1 ([DEGS1 Products](#))

Background: 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.

Alias Symbols: DEGS, DES1, Des-1, FADS7, MGC5079, MIG15, MLD, DEGS-1

Protein Interaction Partner: UBC, NAGPA, UBD, EGFR, TSSC1, SURF4, SLC16A1, PYGM,

Protein Size: 323

Molecular Weight: 38 kDa

Gene ID: 8560

NCBI Accession: [NM_003676](#), [NP_003667](#)

UniProt: [O15121](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 323 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

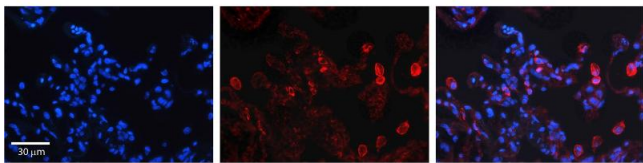
Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-DEGS1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle

