



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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**Degenerative Spermatocyte Homolog 2 (DEGS2). Rabbit Antigen Immunoaffinity Purified Polyclonal**  
DEGS2; Sphingolipid delta(4)-desaturase/C4-hydroxylase DES2

**BACKGROUND**

Bifunctional enzyme which acts as both a sphingolipid delta(4)-desaturase and a sphingolipid C4-hydroxylase. Up-regulated during keratinocyte differentiation. Not expressed at day 0 or day 3 after differentiation, detected on day 6 and increases by day 9. Belongs to the fatty acid desaturase family. DEGS subfamily. Highly expressed in skin, intestine and kidney.

**ORDERING INFORMATION**

**CATALOG NUMBER**  
X2356P

**SIZE**  
10 Miniblots

**FORM**  
Affinity Purified

**HOST/CLONE**  
Rabbit

**FORMULATION**  
Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**  
Lot specific, see vial

**ISOTYPE**

**APPLICATIONS**  
Western blot

**SPECIES REACTIVITY**  
Human

**ACCESSION NUMBER**  
Human Q6QHC5

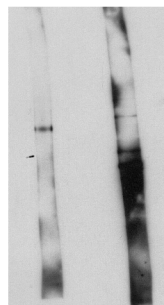
**IMMUNOGEN**

Synthetic peptide derived from human DEGS2 protein.

Western blot using antigen immunoaffinity purified and DEGS2 antibody (Cat. No. X2356P) on human kidney cell lysate. Lysate used at 15 µg/lane. Antibody used at 1:400 dilution. Secondary antibody, mouse anti-rabbit HRP (Cat. No. X1207M), used at 1:50k dilution. Visualized using Pierce West Femto substrate system. Exposure for 5 minutes

Anti-DEGS2 X2356P (2.5 ug/ml)	+	+
Blocking Peptide	+	-

98-  
62-  
49-  
38-  
17-



**POSITIVE CONTROL/TISSUE EXPRESSION**

Highly expressed in skin, intestine and kidney.

**COMMENTS**

Antibody can be used for Western blotting (1:400 starting dilution). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship on gel ice, store at -20°C immediately upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Mizutani, Y., et al. 'Identification of the human sphingolipid C4-hydroxylase, hDES2, and its up-regulation during keratinocyte differentiation.; FEBS Lett. 563:93-97(2004).
2. Omae, F., et al. 'DES2 protein is responsible for phytoceramide biosynthesis in the mouse small intestine.' Biochem J. 2004 May 1;379(Pt 3):687-95.
3. Omae, F. et al. 'Identification of an essential sequence for dihydroceramide C-4 hydroxylase activity of mouse DES2.' FEBS Lett. 2004 Oct 8;576(1-2):63-7.
4. Enomoto, A., et al. 'Dihydroceramide:sphinganine C-4-hydroxylation requires Des2 hydroxylase and the membrane form of cytochrome b5.' Biochem J. 2006 Jul 15;397(2):289-95.

**PRODUCT SPECIFIC REFERENCES**