



## **Degenerative Spermatoocyte Homolog 1 (DEGS1). Rabbit Polyclonal Antibody , Human, Rat, Mouse**

Migration-inducing gene 15 protein, MLD, dihydroceramide desaturase, sphingolipid delta 4 desaturase, DES1, MGC5079, DEGS

### **BACKGROUND**

The product of the DEGS1 gene is a member of the membrane fatty acid (sphingolipid delta 4) desaturase family. Reported to function by inserting double bonds at delta 4 position in fatty acids. DEGS1 is an intracellular enzyme. 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.

### **ORDERING INFORMATION**

**CATALOG NUMBER**  
X2090P

**SIZE**  
100 µg

**FORM**  
Unconjugated

**HOST/CLONE**  
Rabbit

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

**CONCENTRATION**  
1 mg/ml

**ISOTYPE**  
IgG

**APPLICATIONS**  
Western Blot

### **IMMUNOGEN**

Synthetic peptide derived from the human DEGS1 protein

### **SPECIES REACTIVITY**

Human, Rat, Mouse

### **COMMENTS**

Antibody can be used for Western blotting (1–5 µg/ml starting dilution). Optimal concentration should be evaluated by serial dilutions.

### **STORAGE**

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

**For research use only. Not for use in human diagnostics or therapeutics.**

**POSITIVE CONTROL/TISSUE EXPRESSION**

Placenta

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**REFERENCES**

1. Cadena, D.L., et al. "The product of the MLD gene is a member of the membrane fatty acid desaturase family: overexpression of MLD inhibits EGF receptor biosynthesis."; *Biochemistry* 36:6960-6967(1997).
2. Ternes, P., et al. "Identification and characterization of a sphingolipid delta 4-desaturase family."; *J. Biol. Chem.* 277:25512-25518(2002).

**LAST MODIFIED** 7/2/2008

**For research use only. Not for use in human diagnostics or therapeutics.**

Exalpha Biologicals, Inc. 5 Clock Tower Place, Suite 255 Maynard, MA 01754  
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com

Page 2 of 2  
Cat. No. X2090P