

**AP05308CP-N****Degenerative Spermatocyte Homolog 1 control peptide****Alternate names:**

DES1, Degenerative spermatocyte homolog 1, MIG15, MLD, Membrane lipid desaturase, Migration-inducing gene 15 protein, Sphingolipid delta(4)-desaturase DES1

**Quantity:**

50 µg

**Concentration:**

Lot specific

**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.

**Uniprot ID:**

[O15121](#)

**NCBI:**

[NP\\_003667](#)

**GeneID:**

[8560](#)

**Isotype:**

IgG

**Format:**

**State:** Liquid purified peptide

**Buffer System:** Phosphate buffered saline with 0.08% sodium azide

**Applications:**

Western blot.

Positive Control: Placenta

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

Control peptide for antibodies AP05308PU-N and AP05308SU-N only.

**Note:** Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

**Example:** 10 µl or 10 µg of Rabbit anti-DEGS1 Antibody (Cat.-No AP05308SU-N) is added to 10 µg of blocking peptide for a total volume of 20 µl. The mixture is allowed to incubate for 20 minutes at 37°C prior to dilution in suitable buffer (for Western blot, etc.).

**Add. Information:**

Molecular Weight: 37866 kDa

**Storage:**

Upon receipt, store undiluted (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.