

Product datasheet for **AP05308SU-N**

DEGS1 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | Western blot (1-5 µg/ml). <i>Positive Control:</i> Placenta. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide derived from the Human DEGS1 protein. |
| Specificity: | This antibody recognizes DEGS1. |
| Formulation: | PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.08% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Ammonium Sulfate Precipitation |
| Conjugation: | Unconjugated |
| Storage: | Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | delta(4)-desaturase, sphingolipid 1 |
| Database Link: | <u>Entrez Gene 13244 Mouse</u> <u>Entrez Gene 58970 Rat</u> <u>Entrez Gene 8560 Human</u> <u>O15121</u> |



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| 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. |
| Synonyms: | DES1, MLD, MIG15, Degenerative spermatocyte homolog 1, Membrane lipid desaturase |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Metabolic pathways, Sphingolipid metabolism |