**DESCRIPTION**

**Species Reactivity** Mouse

**Specificity** Detects mouse Stella/Dppa3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant human Stella is observed.

**Source** Polyclonal Goat IgG

**Purification** Antigen Affinity-purified

**Immunogen** E. coli-derived recombinant mouse Stella/Dppa3 Met1-Asn150 Accession # Q8QZY3

**Formulation** Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>0.1 µg/mL</td>
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<tr>
<td>Immunohistochemistry</td>
<td>1-15 µg/mL</td>
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</tbody>
</table>

**DATA**

**Immunohistochemistry**

Stella/Dppa3 in mouse ovary tissue.

Stella/Dppa3 was detected in perfusion fixed frozen sections of mouse ovary tissue using Goat Anti-Mouse Stella/Dppa3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2566) at 1 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Goat IgG VisUCyte™ HRP Polymer Antibody (brown; Catalog # VC004) and counterstained with hematoxylin (blue). Specific staining was localized to oocytes. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

**PREPARATION AND STORAGE**

**Reconstitution** Reconstitute at 0.2 mg/mL in sterile PBS.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND**

Stella, also known as Dppa3 (Developmental pluripotency-associated 3) and PGC7 (primordial germ cell 7) is expressed in primordial germ cells, oocytes, preimplantation embryos, and pluripotent cells. Although the fuction of Stella is not known, the expression pattern of the protein suggests a role in the maintenance of cell pluripotency.