

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human DPPA4 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant mouse DPPA4 is observed and less than 1% cross-reactivity with recombinant human DPPA5 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human DPPA4 Met1-Glu304 Accession # Q7L190
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

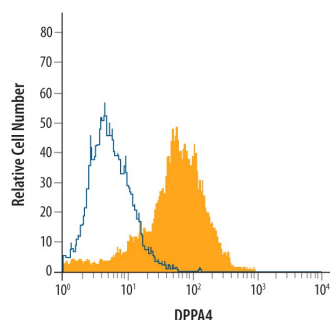
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human DPPA4
<b>Intracellular Staining by Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below

## DATA

### Intracellular Staining by Flow Cytometry



**Detection of DPPA4 in Ntera-2 Human Cell Line by Flow Cytometry.** Ntera-2 human testicular embryonic carcinoma cell line was stained with Sheep Anti-Human DPPA4 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF3674, filled histogram) or isotype control antibody (Catalog # [BAF020](#)), followed by Streptavidin-Phycoerythrin (Catalog # [F0040](#)). To facilitate intracellular staining, cells were fixed with paraformaldehyde and permeabilized with saponin.

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

DPPA4 is a nuclear SAP-domain protein whose expression is restricted to pluripotent cells, undifferentiated embryonal carcinomas and germ cell tumors. It is considered a marker for embryonic stem cells. Human DPPA4 shares 51% amino acid sequence homology with mouse DPPA4.