

# OVGP1 Polyclonal antibody

Catalog Number: 22324-1-AP

## Basic Information

<b>Catalog Number:</b> 22324-1-AP	<b>GenBank Accession Number:</b> BC126177	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 5016	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q12889	
<b>Isotype:</b> IgG	<b>Full Name:</b> oviductal glycoprotein 1, 120kDa	
<b>Immunogen Catalog Number:</b> AG17771	<b>Calculated MW:</b> 678 aa, 75 kDa <b>Observed MW:</b> 70 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** human placenta tissue, mouse ovary tissue, mouse uterus tissue

**IHC:** mouse ovary tissue,

## Background Information

OVGP1 (oviduct-specific glycoprotein, also known as MUC9) is a high molecular-weight glycoprotein thought to be exclusively secreted by the non-ciliated epithelial cells of the fallopian tube (PMID: 12444068). Identified first as an estrogen-induced secretory protein in the oviduct, OVGP1 aids in sperm capacitation, fertilization, and early embryonic development (PMID: 28883914). OVGP1 is the major non-serum protein present in OF (oviduct fluid) and its biological activity differs among species (PMID: 27601270).

## Storage

### Storage:

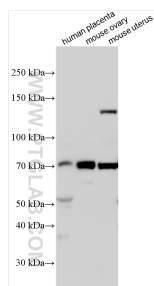
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

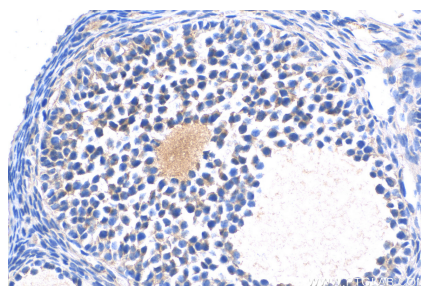
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22324-1-AP (OVGP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 22324-1-AP (OVGP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).