

**OVGP1 Antibody**  
Catalog # ASC10750

**Specification**

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**OVGP1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q12889</a>
Other Accession	<a href="#">NP_002548</a> , <a href="#">5016</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 75 kDa

Application Notes

**Observed: Due to extensive post-translational modification, OVGP1 migrates at ~140 kDa in SDS-PAGE. KDa OVGP1 antibody can be used for the detection of OVGP1 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 2.5 µg/mL.**

**OVGP1 Antibody - Additional Information**

Gene ID **5016**

**Target/Specificity**

OVGP1 antibody was raised against an 18 amino acid synthetic peptide from near the amino terminus of human OVGP1.<br><br>The immunogen is located within amino acids 60 - 110 of OVGP1.

**Reconstitution & Storage**

OVGP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

OVGP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**OVGP1 Antibody - Protein Information**

**Name** OVGP1

**Synonyms** MUC9, OGP

**Function**

Binds to oocyte zona pellucida in vivo. May play a role in the fertilization process and/or early

embryonic development.

#### Cellular Location

Cytoplasmic vesicle, secretory vesicle. Note=Secretory granules

#### Tissue Location

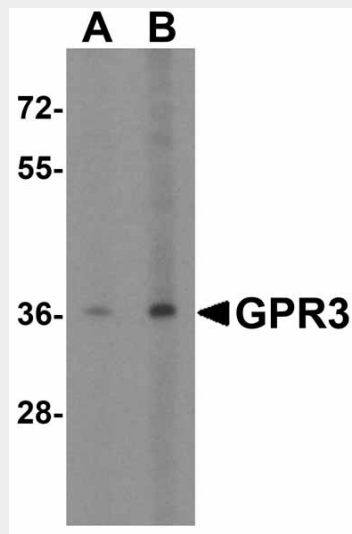
Oviduct.

### OVGP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### OVGP1 Antibody - Images



Western blot analysis of GPR3 in EL4 cell lysate with GPR3 antibody at (A) 1 and (B) 2 µg/mL.

### OVGP1 Antibody - Background

OVGP1 Antibody: Oviductins belong to a family of glycoproteins that have been suggested to play several roles during the early processes of reproduction. OVGP1 is a large carbohydrate-rich, epithelial glycoprotein with numerous O-glycosylation sites within threonine, serine, and proline-rich tandem repeats. The protein is secreted from non-ciliated oviductal epithelial cells and associates with ovulated oocytes, blastomeres, and spermatozoan acrosomal regions. At least two isoforms of OVGP are known to exist.

### OVGP1 Antibody - References

Buhi WC. Characterization and biological roles of oviduct-specific, oestrogen-dependent

glycoprotein. Reproduction123:355-62.

Arias EB, Verhage HG and Jaffe RC. Complementary deoxyribonucleic acid cloning and molecular characterization of an estrogen-dependent human oviductal glycoprotein. Biol. Reprod.1994; 51:685-94.