

## **OVGP1** Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22205a

### **Specification**

# OVGP1 Antibody (N-Term) - Product Information

Application WB, IHC-P, FC,E
Primary Accession Q12889
Other Accession P36718

Other Accession
Reactivity
Host
Clonality
Isotype
Calculated MW
P36718
Human
Rabbit
polyclonal
Rabbit IgG
75421

### **OVGP1** Antibody (N-Term) - Additional Information

#### **Gene ID 5016**

### **Other Names**

Oviduct-specific glycoprotein, Estrogen-dependent oviduct protein, Mucin-9, Oviductal glycoprotein, Oviductin, OVGP1, MUC9, OGP

#### Target/Specificity

This OVGP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 107-137 amino acids from human OVGP1.

# **Dilution**

WB~~1:2000 IHC-P~~1:25 FC~~1:25

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

OVGP1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### OVGP1 Antibody (N-Term) - 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** 

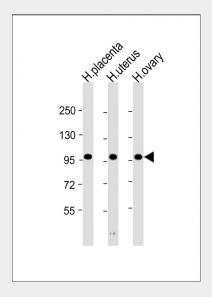
Oviduct.

# **OVGP1 Antibody (N-Term) - Protocols**

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

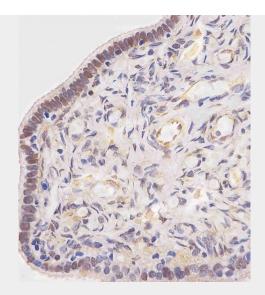
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# OVGP1 Antibody (N-Term) - Images

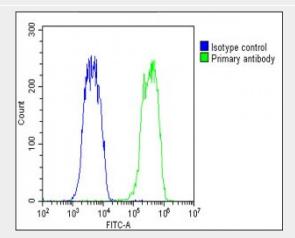


All lanes: Anti-OVGP1 Antibody (N-Term) at 1:2000 dilution Lane 1: human placenta lysate Lane 2: human uterus lysate Lane 3: human ovary lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





AP22205a staining OVGP1 in human fallopian tube tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing Hela cells stained with AP22205a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22205a, 1:25 dilution) for 60 min at 37 $^{\circ}$ C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 $^{\circ}$ C. Isotype control antibody (blue line) was rabbit IgG1 (1 $\mu$ g/1x10 $^{\circ}$ 6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### OVGP1 Antibody (N-Term) - Background

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

## **OVGP1** Antibody (N-Term) - References

Arias E.B., et al. Biol. Reprod. 51:685-694(1994). Jaffe R.C., et al. Submitted (JUL-1996) to the EMBL/GenBank/DDBJ databases.





Gregory S.G., et al. Nature 441:315-321(2006). Sjoeblom T., et al. Science 314:268-274(2006).