

**OVGP1 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22205a****Specification**

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**OVGP1 Antibody (N-Term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q12889</a>
Other Accession	<a href="#">P36718</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	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**

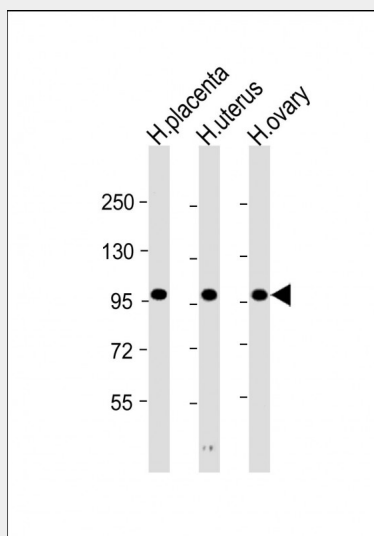
Oviduct.

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

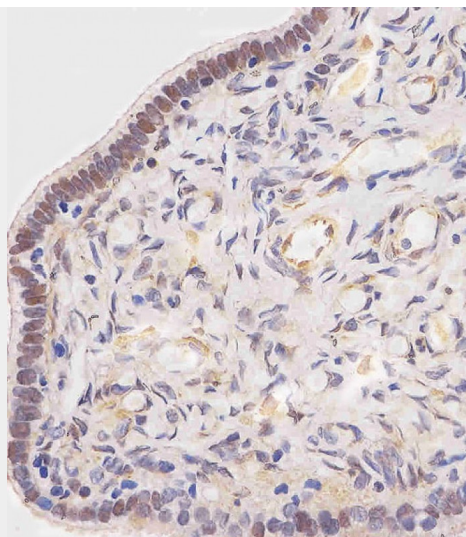
Provided below are standard protocols that you may find useful for product applications.

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

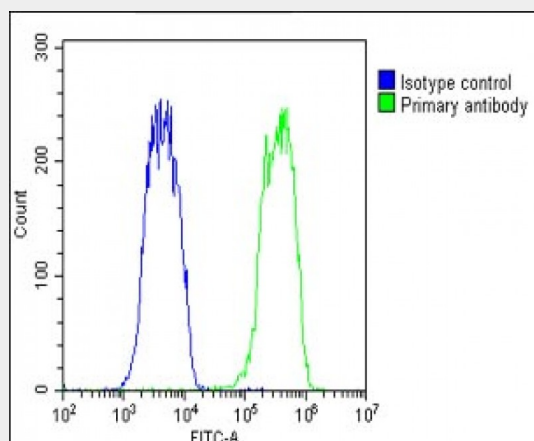
**OVGP1 Antibody (N-Term) - Images**



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 hour 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 incubated 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°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°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> 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).