

# OVGP1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP22205a

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q12889</a>
<b>Other Accession</b>	<a href="#">P36718</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB55148

## Additional Information

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<b>Other Names</b>	Oviduct-specific glycoprotein, Estrogen-dependent oviduct protein, Mucin-9, Oviductal glycoprotein, Oviductin, OVGP1, MUC9, OGP
<b>Target/Specificity</b>	This OVGP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 107-137 amino acids from human OVGP1.
<b>Dilution</b>	WB~~1:2000 IHC-P~~1:100~500 FC~~1:25 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	OVGP1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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

### References

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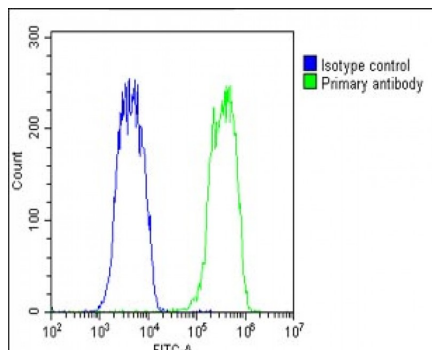
Arias E.B., et al. *Biol. Reprod.* 51:685-694(1994).

Jaffe R.C., et al. Submitted (JUL-1996) to the EMBL/GenBank/DDBJ databases.

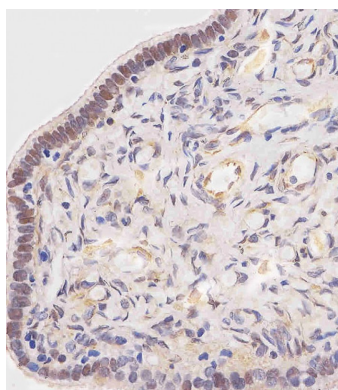
Gregory S.G., et al. *Nature* 441:315-321(2006).

Sjoebloom T., et al. *Science* 314:268-274(2006).

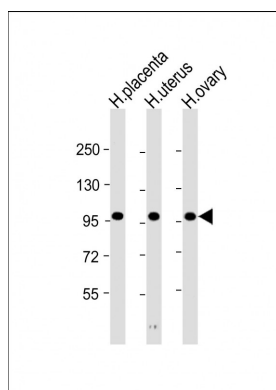
## Images



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/1 × 10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



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. An undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.