10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OVGP1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22205a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q12889
Other Accession	P36718
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55148
Calculated MW	75421

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~~1:100~500 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.

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.

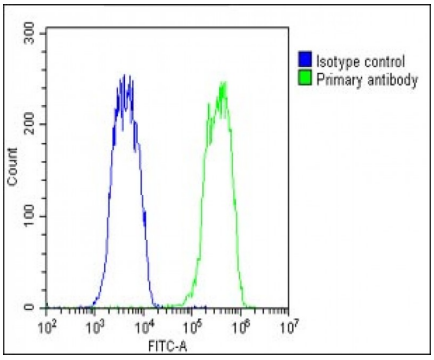
Background

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

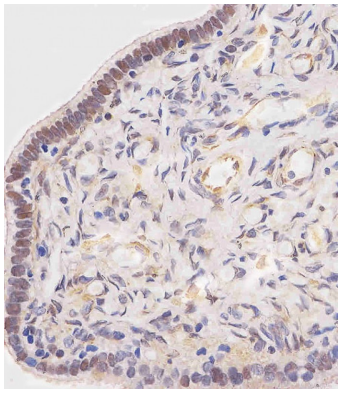
References

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).

Images

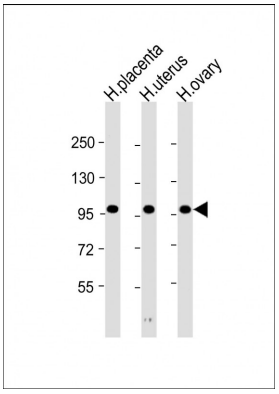


Overlay histogram showing Hela cells stained with AP22205a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22205a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 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 hours at 37°C. A 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'.