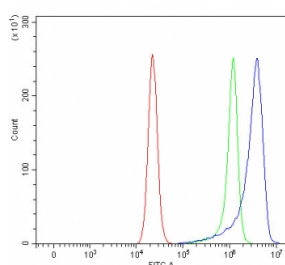


## OVGP1 Antibody / Oviduct-specific glycoprotein (RQ8363)

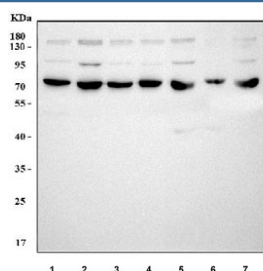
Catalog No.	Formulation	Size
RQ8363	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q12889
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This OVGP1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human RT4 cells with OVGP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OVGP1 antibody.



Western blot testing of 1) human Jurkat, 2) human 293T, 3) human RT4, 4) human PC-3, 5) rat testis, 6) mouse ovary and 7) mouse testis tissue lysate with OVGP1 antibody. Predicted molecular weight ~75 kDa but may be observed at higher molecular weights due to glycosylation.

## Description

Oviduct-specific glycoprotein also known as oviductal glycoprotein (OGP) or estrogen-dependent oviduct protein, oviductin or mucin-9 is a protein that in humans is encoded by the OVGP1 gene. This gene encodes a large, carbohydrate-rich, epithelial glycoprotein with numerous O-glycosylation sites located within threonine, serine, and proline-rich tandem repeats. The gene is similar to members of the mucin and the glycosyl hydrolase 18 gene families. Regulation of expression may be estrogen-dependent. Gene expression and protein secretion occur during late follicular development through early cleavage-stage embryonic development. The protein is secreted from non-ciliated oviductal epithelial cells and associates with ovulated oocytes, blastomeres, and spermatozoan acrosomal regions.

## Application Notes

Optimal dilution of the OVGP1 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (E118-E667) was used as the immunogen for the OVGP1 antibody.

## Storage

After reconstitution, the OVGP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.