

OVGP1 Antibody

Catalog # ASC10750

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q12889
Other Accession	NP_002548 , 58386720
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	75421
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	OVGP1 antibody can be used for the detection of OVGP1 by Western blot at 1 μ g/mL. Antibody can also be used for immunocytochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 2.5 μ g/mL.

Additional Information

Gene ID	5016
Other Names	Oviduct-specific glycoprotein, Estrogen-dependent oviduct protein, Mucin-9, Oviductal glycoprotein, Oviductin, OVGP1, MUC9, OGP
Target/Specificity	OVGP1;
Reconstitution & Storage	OVGP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	OVGP1 Antibody 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

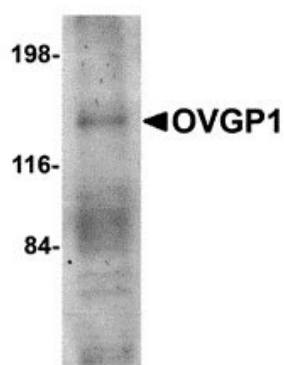
OVGP1 Antibody: Oviductins belong to a family of glycoproteins that have been suggested to play several roles during the early processes of reproduction. OVGP1 is a large carbohydrate-rich, epithelial glycoprotein with numerous O-glycosylation sites within threonine, serine, and proline-rich tandem repeats. The protein is secreted from non-ciliated oviductal epithelial cells and associates with ovulated oocytes, blastomeres, and spermatozoan acrosomal regions. At least two isoforms of OVGP are known to exist.

References

Buhi WC. Characterization and biological roles of oviduct-specific, oestrogen-dependent glycoprotein. *Reproduction* 123:355-62.

Arias EB, Verhage HG and Jaffe RC. Complementary deoxyribonucleic acid cloning and molecular characterization of an estrogen-dependent human oviductal glycoprotein. *Biol. Reprod.* 1994; 51:685-94.

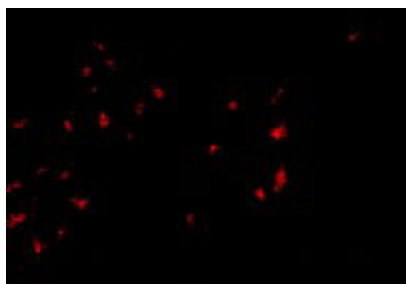
Images



Western blot analysis of OVGP1 in human placenta tissue lysate with OVGP1 antibody at 1 µg/mL.



Immunocytochemistry of OVGP1 in 293 cells with OVGP1L antibody at 2.5 µg/mL.



Immunofluorescence of OVGP1 in 293 cells with OVGP1 antibody at 2.5 µg/mL.

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