

For Research Use Only

OVGP1 Polyclonal antibody

Catalog Number: 22324-1-AP



Basic Information

Catalog Number: 22324-1-AP	GenBank Accession Number: BC126177	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5016	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q12889	
Isotype: IgG	Full Name: oviductal glycoprotein 1, 120kDa	
Immunogen Catalog Number: AG17771	Calculated MW: 678 aa, 75 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : human placenta tissue, mouse ovary tissue, mouse uterus tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse ovary tissue,

Background Information

OVGP1 (oviduct-specific glycoprotein, also known as MUC9) is a high molecular-weight glycoprotein thought to be exclusively secreted by the non-ciliated epithelial cells of the fallopian tube (PMID: 12444068). Identified first as an estrogen-induced secretory protein in the oviduct, OVGP1 aids in sperm capacitation, fertilization, and early embryonic development (PMID: 28883914). OVGP1 is the major non-serum protein present in OF (oviduct fluid) and its biological activity differs among species (PMID: 27601270).

Storage

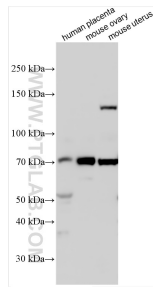
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

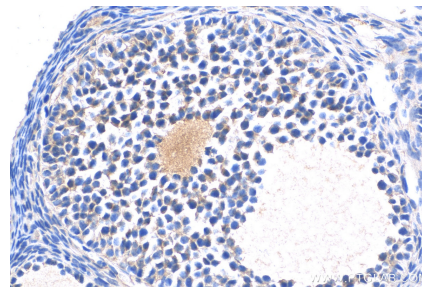
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22324-1-AP (OVGP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 22324-1-AP (OVGP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).