Datasheet for 600-401-DH8

OVGP1 Antibody

Overview

Description:	Anti-OVGP1 (RABBIT) Antibody - 600-401-DH8
Item No.:	600-401-DH8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	OVGP1 Antibody, EGP, OGP, MUC9, CHIT5, Oviduct-specific glycoprotein, Estrogen-dependent oviduct protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	OVGP1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-OVGP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide from near the N-terminus of human OVGP1.

Purity/Specificity:	Anti-OVGP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with OVGP1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q12889 • GeneID - 5016 • NCBI - NP_002548

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-OVGP1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 75 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	2.5 µg/mL
WB:	1 µg/mL

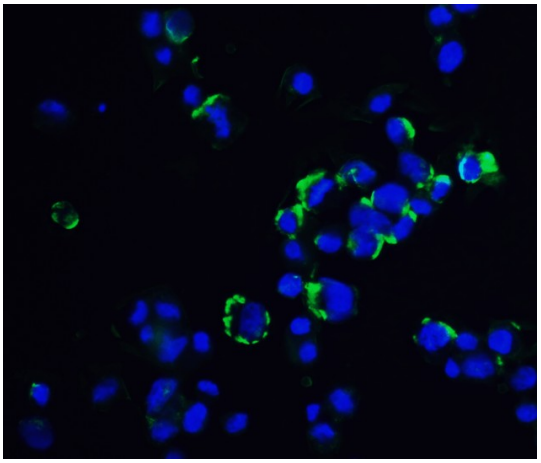
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

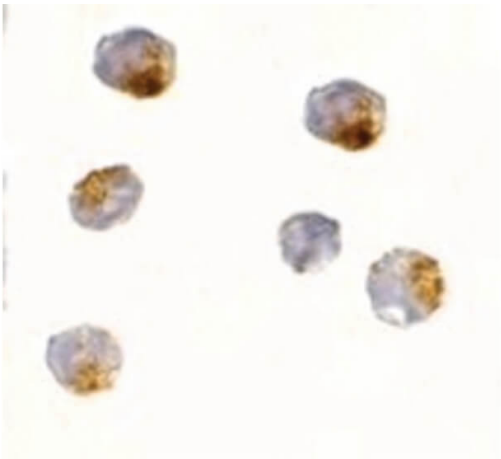
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

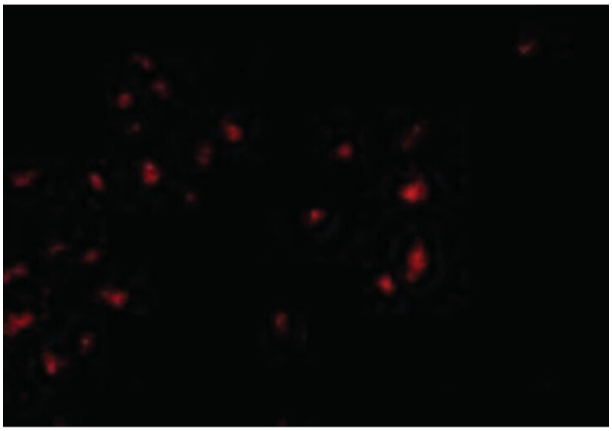
Images



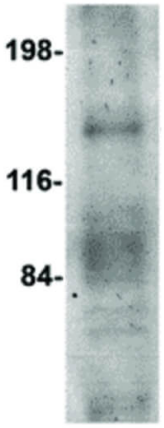
Immunofluorescence Microscopy
Immunofluorescence of OVGP1 in Hek293 cells with OVGP1 antibody at 20 µg/mL. Green: OVGP1 Antibody. Blue: DAPI staining.



Immunohistochemistry
Immunocytochemistry of OVGP1 antibody. Tissue: 293 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: OVGP1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: OVGP1 is nuclear and occasionally cytoplasmic. Staining: OVGP1 as a precipitated brown signal.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of OVGP1 antibody. Tissue: 293 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: OVGP1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: OVGP1 as a red fluorescent signal.



Western Blot

Western Blot of OVGP1 antibody. Lane 1: Human placenta tissue lysate at 1µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 75.4 kDa, ~140 kDa for OVGP1.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.