



ANTIBODY CHARACTERISTICS

Name: Anti-Oviductal Glycoprotein Multiple Antigenic Peptide - Baboon

Target Species: Baboon

Status: Available

Description: This antibody binds to a baboon oviduct-specific epithelial glycoprotein (OGP). Secretion of this protein into the oviductal lumen appears to be strongly correlated with ovarian metaplasia and less strongly correlated with ovarian cancer.

<u>Type</u>	<u>Location</u>	<u>Purification</u>	<u>Tested Applications</u>		<u>Available</u>
<input type="checkbox"/> Monoclonal	<input type="checkbox"/> Nuclear	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Histology	<input type="checkbox"/> Flow	<input checked="" type="checkbox"/> Crude Ab
<input checked="" type="checkbox"/> Polyclonal	<input checked="" type="checkbox"/> Cytoplasm	<input type="checkbox"/> Am. Sulfate	<input checked="" type="checkbox"/> Cytology	<input type="checkbox"/> ELISA	<input checked="" type="checkbox"/> Purified Ab
<input type="checkbox"/> Engineered	<input type="checkbox"/> Membrane	<input type="checkbox"/> Chromato.	<input type="checkbox"/> Precipitation	<input type="checkbox"/> Therapy	<input type="checkbox"/> Immunogen
	<input checked="" type="checkbox"/> Secreted	<input type="checkbox"/> Affinity	<input checked="" type="checkbox"/> Blotting	<input type="checkbox"/> Other	<input type="checkbox"/> Hybridoma
		<input type="checkbox"/> Other			<input type="checkbox"/> Controls



Polyclonal Antibodies that Specifically Bind to Oviduct-Specific Secretory Glycoprotein

Technology Reference CX-010

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Fields

Cancer
Fertility

Key Words

Ovulation
Ovarian Cancer

Stage of Development

Purified antibodies are available.
Preliminary human studies have been performed.

Patent Status

Status

Seeking Licensing or
Research Partner

Applications

- Prognostic detection of ovarian cancer

The Invention

This invention consists of a rabbit polyclonal antibody that specifically bind to a high molecular weight glycoprotein (OGP) that is secreted into the oviduct during ovulation and in ovarian cancer. Antibodies specific for the human, baboon and hamster forms of OGP are available.

Application

These antibodies have been used in the cytological, histological and ELISA detection and quantitation of OGP in various tissues and body fluids.

Prior Art/Background

The synthesis of OGP by the secretory cells of the oviduct and secretion of OGP into the oviductal lumen are up-regulated by estradiol and down-regulated by progesterone. OGP is not secreted by post-menopausal women. The specific function of OGP is not presently known.

It has been found that the secretion of OGP correlates with neoplastic progression in the ovarian surface epithelium (OSE). OGP is not detectable in normal OSE and is not expressed or is only weakly expressed in cervical and endometrial carcinomas and in non-gynecological tissues. OGP is strongly expressed in epithelial inclusion cysts with tubal metaplasia, benign serous cystadenomas and serous borderline tumors. Significantly increased OGP secretion is also found in 50+% of borderline and malignant mucinous tumors. OGP secretion in adenocarcinomas is variable and inversely correlated with tumor grade. There are preliminary indications that at least some ovarian and oviductal cancers may secrete detectable amounts of OGP into the blood stream.

Benefits

- Specifically binds to oviduct-specific glycoprotein.
- Tissue-specific expression. Differentiates between ovarian/oviductal and other gynecological tissues.
- Potentially prognostic for ovarian and oviductal cancers.



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Oviduct-Specific Secretory Glycoprotein

References

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