

# Glycodelin Rabbit mAb

Catalog # AP78142

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P09466</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human Placental Protein 14 / PAEP
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	20624

## Additional Information

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<b>Gene ID</b>	5047
<b>Other Names</b>	PAEP
<b>Dilution</b>	WB~~1/500-1/1000
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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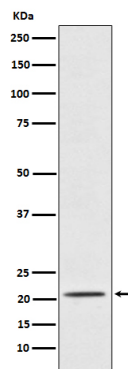
<b>Name</b>	PAEP
<b>Function</b>	Glycoprotein that regulates critical steps during fertilization and also has immunomodulatory effects. Four glycoforms, namely glycodelin-S, -A, -F and -C have been identified in reproductive tissues that differ in glycosylation and biological activity. Glycodelin-A has contraceptive and immunosuppressive activities (PubMed: <a href="#">7531163</a> , PubMed: <a href="#">9918684</a> ). Glycodelin-C stimulates binding of spermatozoa to the zona pellucida (PubMed: <a href="#">17192260</a> ). Glycodelin-F inhibits spermatozoa-zona pellucida binding and significantly suppresses progesterone-induced acrosome reaction of spermatozoa (PubMed: <a href="#">12672671</a> ). Glycodelin-S in seminal plasma maintains the uncapacitated state of human spermatozoa (PubMed: <a href="#">15883155</a> ).
<b>Cellular Location</b>	Secreted

## Tissue Location

This protein is, the main protein synthesized and secreted in the endometrium from mid-luteal phase of the menstrual cycle and during the first semester of pregnancy (PubMed:3667877). Glycodelin-A is expressed in amniotic fluid, endometrium/decidua and maternal serum (at protein level) (PubMed:3194393). Glycodelin-F is expressed in follicular fluid, luteinized granulosa cells and the oviduct (at protein level) (PubMed:12672671). Glycodelin-S is expressed in seminal plasma and seminal vesicles (at protein level) (PubMed:9239694). Glycodelin-C is detected in cumulus cells (at protein level), but cumulus cells do not synthesize Glycodelin-C but take up and convert glycodelin-A and -F via glycan remodeling (PubMed:17192260).

## Images

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