

Placental Protein 14 / PAEP Antibody
Rabbit mAb
Catalog # AP92170**Specification****Placental Protein 14 / PAEP Antibody - Product Information**

Application	WB
Primary Accession	P09466
Clonality	Monoclonal
Other Names	
GdA; GdF; GdS; Glycodelin A; Glycodelin; Glycodelin F; Glycodelin S; PAEG; PAEP; PEG; PEP; Placental protein 14; PP14;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	20624 Da

Placental Protein 14 / PAEP Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Placental Protein 14 / PAEP
Description	This protein is, quantitatively, the main protein synthesized and secreted in the endometrium from mid-luteal phase of the menstrual cycle and during the first semester of pregnancy.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Placental Protein 14 / PAEP Antibody - Protein Information**Name** PAEP**Function**

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:7531163, PubMed:9918684). Glycodelin-C stimulates binding of spermatozoa to the zona pellucida (PubMed:17192260). Glycodelin-F inhibits spermatozoa-zona pellucida binding and significantly suppresses progesterone-induced acrosome reaction of spermatozoa (PubMed:12672671). Glycodelin-S

in seminal plasma maintains the uncapacitated state of human spermatozoa (PubMed:15883155).

Cellular Location

Secreted

Tissue Location

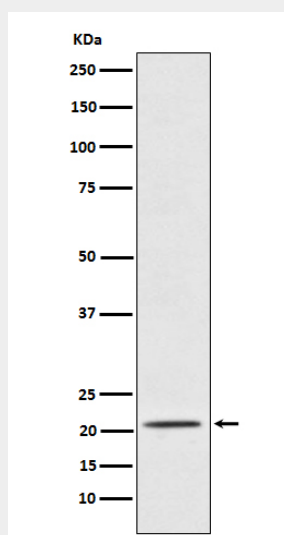
This protein is, the main protein synthesized and secreted in the endometrium from mid-luteal phase of the menstrual cycle and during the first semester of pregnancy (PubMed:3667877) Glycodelin-A is expressed in amniotic fluid, endometrium/decidua and maternal serum (at protein level) (PubMed:3194393). 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).

Placental Protein 14 / PAEP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Placental Protein 14 / PAEP Antibody - Images



Western blot analysis of Placental Protein 14 / PAEP expression in TPA-treated K562 cell lysate.