

Product Name: Placental Protein 14 / PAEP (11B8)
Rabbit Monoclonal Antibody
Catalog #: AMRe16236

Summary

Production Name	Placental Protein 14 / PAEP (11B8) Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	PAEP
Alternative Names	GdA; GdF; GdS; Glycodelin A; Glycodelin; Glycodelin F; Glycodelin S; PAEG; PAEP; PEG; PEP; Placental protein 14; PP14;
Gene ID	5047.0
SwissProt ID	P09466.

Application

Dilution Ratio	WB 1:1000-1:5000
Molecular Weight	21kDa

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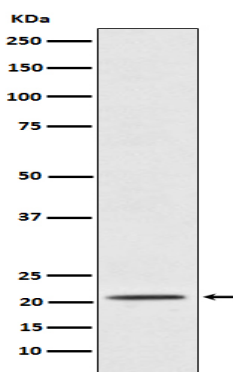


Background

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. 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: [9918684](http://www.uniprot.org/citations/9918684), PubMed: [7531163](http://www.uniprot.org/citations/7531163)). Glycodelin-C stimulates binding of spermatozoa to the zona pellucida (PubMed: [17192260](http://www.uniprot.org/citations/17192260)). Glycodelin-F inhibits spermatozoa-zona pellucida binding and significantly suppresses progesterone-induced acrosome reaction of spermatozoa (PubMed: [12672671](http://www.uniprot.org/citations/12672671)). Glycodelin-S in seminal plasma maintains the uncapacitated state of human spermatozoa (PubMed: [15883155](http://www.uniprot.org/citations/15883155)).

Research Area

Image Data



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

Note

For research use only.