

Product name:	Placental Protein 14 / PAEP (11B8) Rabbit Monoclonal Antibody
Cat number:	MABN16236
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human PAEP
Reactivity:	Human
Applications:	WB 1:1000-1:5000
Molecular Weight:	21kDa
Purification:	Affinity purification
Form:	Liquid
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.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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 glyodelin-S, -A, -F and -C have been identified in reproductive tissues that differ in glycosylation and biological activity. Glyodelin-A has contraceptive and immunosuppressive activities (PubMed:9918684, PubMed:7531163). Glyodelin-C stimulates binding of spermatozoa to the zona pellucida (PubMed:17192260). Glyodelin-F inhibits spermatozoa-zona pellucida binding and significantly suppresses progesterone-induced acrosome reaction of spermatozoa (PubMed:12672671). Glyodelin-S in seminal plasma maintains the uncapacitated state of human spermatozoa (PubMed:15883155).