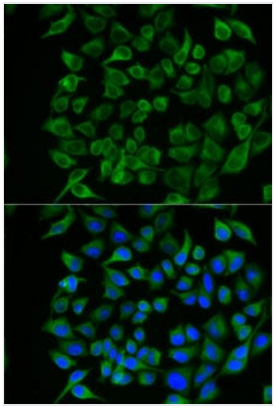
PAEP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAEP, Polyclonal Antibody
Full Product Name	PAEP Polyclonal Antibody
Product Gene Name	anti-PAEP antibody
Product Synonym Names	PAEP; GD; GdA; GdF; GdS; PAEG; PEP; PP14
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	9,953 Da
OMIM	173310
3D Structure	ModBase 3D Structure for P09466
Immunogen	Recombinant fusion protein of human PAEP (NP_0025622)
Conjugation	Unconjugated
Product Categories/Family for anti-PAEP antibody	Cancer; Tags and Cell Markers; Polyclonal Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PAEP antibody	Immunofluorescence (IF)
Application Notes for anti-PAEP antibody	IF: 1:10-1:100
Related Product Information for anti-PAEP antibody	This gene is a member of the kernel lipocalin superfamily whose members share relatively low sequence similarity but have highly conserved exon/intron structure and three-dimensional protein folding. Most lipocalins are clustered on the long arm of chromosome 9. The encoded glycoprotein has been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodelin, but has been officially named progestagen-associated endometrial protein. Three distinct forms, with identical protein backbones but different glycosylation profiles, are found in amniotic fluid, follicular fluid and seminal plasma of the reproductive system. These glycoproteins have distinct and essential roles in regulating a uterine environment suitable for pregnancy and in the timing and occurrence of the appropriate sequence of events in the fertilization process. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-PAEP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PAEP purchase	MBS2566532 is an antibody targeting PAEP. Also known as PAEP Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-PAEP antibody
Immunofluorescence analysis of U2OS cells using PAEP Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAEP. It may not necessarily be applicable to this product.

NCBI GI #	65507501
NCBI GeneID	5047
NCBI Accession #	NP_001018059.1
UniProt Primary Accession #	P09466
UniProt Secondary Accession #	Q5T6T1; Q9UG92
UniProt Related Accession #	P09466
GenBank Nucleotide #	NM_001018049.1
NCBI Official Full Name	glycodelin
NCBI Official Synonym Full Names	progestagen-associated endometrial protein
NCBI Official Symbol	PAEP
NCBI Official Synonym Symbols	GD; GdA; GdF; GdS; PEP; PAEG; PP14
UniProt Protein Name	Glycodelin
UniProt Synonym Protein Names	Placental protein 14; PP14; Pregnancy-associated endometrial alpha-2 globulin; PAEG; PEG; Progestagen-associated endometrial protein; Progesterone-associated endometrial protein
Protein Family	Glycodelin
UniProt Gene Name	PAEP
UniProt Synonym Gene Names	GD; PP14; PAEG; PEG
UniProt Entry Name	PAEP_HUMAN
NCBI Protein Information	glycodelin; PEG; PP14 protein (placental protein 14); alpha uterine protein; glycodelin-A; glycodelin-F; glycodelin-S; pregnancy-associated endometrial alpha-2 globulin; pregnancy-associated endometrial alpha-2-globulin; progestagen-associated endometrial

NCBI Summary for PAEP	This gene is a member of the kernel lipocalin superfamily whose members share relatively low sequence similarity but have highly conserved exon/intron structure and three-dimensional protein folding. Most lipocalins are clustered on the long arm of chromosome 9. The encoded glycoprotein has been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodelin, but has been officially named progestagen-associated endometrial protein. Three distinct forms, with identical protein backbones but different glycosylation profiles, are found in amniotic fluid, follicular fluid and seminal plasma of the reproductive system. These glycoproteins have distinct and essential roles in regulating a uterine environment suitable for pregnancy and in the timing and occurrence of the appropriate sequence of events in the fertilization process. A number of alternatively spliced transcript variants have been observed at this locus, but the full-length nature of only two, each encoding the same protein, has been determined. [provided by RefSeq, Jul 2008]
UniProt Comments for PAEP	PAEP: 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. Belongs to the calycin superfamily. Lipocalin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 9q34 Cellular Component: extracellular region Biological Process: transport; multicellular organismal development
Research Articles on PAEP	**1.** Glycodelin-A treatment reduces the adverse effect of macrophage co-culture on human sperm motility.
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