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PRODUCT DATASHEET

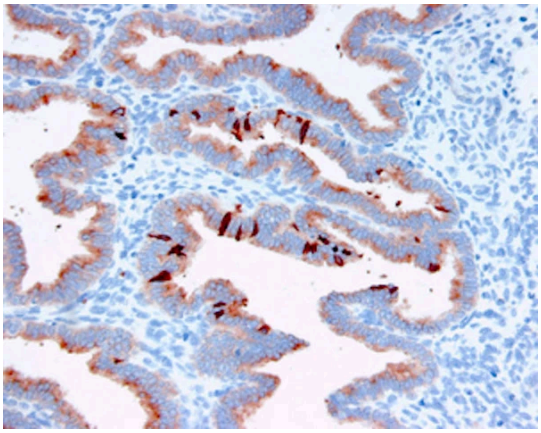
Anti-Placental Protein 14 Antibody

Product Details

Available Variants	100 uL (SKU:BTE 001-16-010) 400 uL (SKU:BTE 001-16-04) 1000 uL (SKU:BTE 001-16-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	16
Gene Name	PAEP
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC
Species Reactivity	Human
Immunogen	Placental protein 14 (glycodelin A) purified from second trimester amniotic fluid
Specificity	BTE 001-16 is specific for human PP14 protein 14 (human, PP14, glycodelin A). Epitode differs from BTE 001-13
Molecular Weight	20 kDa
Storage	2-8°C without exposure to light
UniProt ID	P09466 UniProt Summary: Glycoprotein that regulates critical steps during fertilization and also has immunomonomodulatory 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). {ECO:0000269|PubMed:12672671, ECO:0000269|PubMed:15883155, ECO:0000269|PubMed:17192260, ECO:0000269|PubMed:7531163, ECO:0000269|PubMed:9918684}.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	5047

Product Images



Immunohistochemistry detection of Placental protein 14 in human endometrial tissue tissue using Anti-Placental Protein 14 Antibody (Cat.BTE 001-16-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.BTE 001-16-010) was incubated with the sample. Staining is restricted to the glandular cells from the late secretory phase.

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