10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Placental Lactogen Recombinant Rabbit mAb

Catalog # AP96614

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P0DML3
Other Accession	P0DML3
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	24994
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Placental lactogen
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	PBS, Glycerol, BSA.
SIMILARITY	Belongs to the somatotropin/prolactin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Placental lactogens, also referred to as chorionic somatomammotropin hormones, are protein hormones. They are produced in the mammalian placenta and are similar in structure and function to growth hormones. Together, placental lactogens and growth factors play an essential role to assure successful lactation after pregnancy. Placental lactogens also modify the metabolic state of the mother during pregnancy to supply energy to the fetus. Placental lactogen I is a member of the somatotropin/prolactin family of hormones. The proteins in this family are crucial in mammalian growth control. Placental lactogen I is expressed primarily during mid-pregnancy, and it has been reported that DNA methylation regulates its tissue expression in rats. Placental lactogen II is expressed later in pregnancy and, in mice, its secretion is regulated by the inhibitory control of GH, the concentration of which increases rapidly at the beginning of the last half of pregnancy.

Additional Information

Gene ID	1443
Other Names	CS-1; CSA; CSMT; GHB3; PL; hCS-1; hCS-A; CS-2; CSB; GHB1; hCS-B; CSH2_HUMAN; CSH2; Choriomammotropin; Lactogen; Placental lactogen (PL); chorionic somatomammotropin hormone 2; placental lactogen; chorionic somatomammotropin B
Dilution	WB=1:500-1000,IHC-P=1:200-1000,IHC-F=1:200-1000,IF=1:200-1000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CSH2
Function	Produced only during pregnancy and is involved in stimulating lactation, fetal growth and metabolism. Does not interact with GHR but only activates PRLR through zinc-induced dimerization.
Cellular Location	Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.