



Rabbit Anti-Placental lactogen antibody

SL10628R

Product Name:	Placental lactogen
Chinese Name:	人胎盘泌乳素抗体
Alias:	choriomammotropin; Chorionic somatomammotropin A; chorionic somatomammotropin; Chorionic somatomammotropin hormone 1 (placental lactogen); chorionic somatomammotropin hormone 1; Chorionic somatomammotropin hormone 2; CS 1; CS-2; CS-B; CSA; CSB; CSH1; CSMT; hCS A; hCSB; Lactogen precursor; Lactogen, placental; PL; placental lactogen.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Placental lactogen:101-200/217
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Placental lactogen is a member of the somatotropin/prolactin family of hormones and plays an important role in growth control. The gene is located at the growth hormone locus on chromosome 17 along with four other related genes in the same transcriptional

orientation; an arrangement which is thought to have evolved by a series of gene duplications. Although the five genes share a remarkably high degree of sequence identity, they are expressed selectively in different tissues. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed mainly in the placenta and utilizes multiple transcription initiation sites.

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.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in placenta, maternal decidua and fetal membranes. Within placenta, expressed in trophoblasts, stromal cells, villous endothelium, syncytiotrophoblast apical membrane and villous stroma. Within fetal membranes, expressed in amnion, chorioamniotic mesenchyma and chorion (at protein level). Expressed in cardiac, smooth, and skeletal muscle, neurons, thymus, kidney and hematopoietic cells.

Similarity:

Belongs to the somatotropin/prolactin family.

SWISS:

P0DML3

Gene ID:

1442

Database links:

[Entrez Gene: 1442](#)Human

[Entrez Gene: 1443](#)Human

[Omim: 150200](#)Human

[SwissProt: P0DML3](#)Human

[Unigene: 654390](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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