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Rabbit Anti-Placental lactogen/AF350 Conjugated antibody

SL10628R-AF350

Product Name	Anti-Placental lactogen/AF350
Chinese Name	AF350 标记的人胎盘泌乳素抗体
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.
Research Area	immunology Growth factors and hormones Endocrinopathy
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Placental lactogen
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Database links:

Entrez Gene: 1442 Human

Entrez Gene: 1443 Human

Omim: 150200 Human

SwissProt: P01243 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.