

Product datasheet for **TA340196**

Placental lactogen (CSH2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CSH2 antibody: synthetic peptide directed towards the middle region of human CSH2. Synthetic peptide located within the following region: LFDHAMLQAHRAHQLAIDTYQEFRLEDGSRRTGQILKQTYSKFDTNSHNH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	14
Gene Name:	chorionic somatomammotropin hormone 2
Database Link:	NP_072171 Entrez Gene 1443 Human P01243



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Background:

The protein encoded by this gene 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. This particular family member is expressed mainly in the placenta and utilizes multiple transcription initiation sites. Expression of the identical mature proteins for chorionic somatomammotropin hormones 1 and 2 is upregulated during development, while the ratio of 1 to 2 increases by term. Structural and expression differences provide avenues for developmental regulation and tissue specificity.

Synonyms:

CS-2; CSB; hCS-B; PL

Note:

Immunogen Sequence Homology: Human: 100%; Goat: 90%; Sheep: 90%; Dog: 86%; Pig: 86%; Rat: 86%; Horse: 86%; Mouse: 86%; Bovine: 79%; Rabbit: 79%; Guinea pig: 79%

Protein Families:

Secreted Protein

Product images:

WB Suggested Anti-CSH2 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Placenta