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Product datasheet for TA345768

Placental lactogen (CSH1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CSH1 antibody: synthetic peptide directed towards the middle region of human CSH1. Synthetic peptide located within the following region: SMFANNLVYDTSDSDDYHLLKDLEEGIQTLMGRLEDGSRRTGQILKQTYS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	chorionic somatomammotropin hormone 1
Database Link:	NP_001308 Entrez Gene 1442 Human P0DML2

View online »

Background: CSH1 is a member of the somatotropin/prolactin family of hormones and plays an important role in growth control. 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, although the ratio of 1 to 2 increases by term. Mutations in this gene result in placental lactogen deficiency and Silver-Russell syndrome.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, leading to further diversity and potential for specialization. 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, although the ratio of 1 to 2 increases by term. Mutations in this gene result in placental lactogen deficiency and Silver-Russell syndrome.

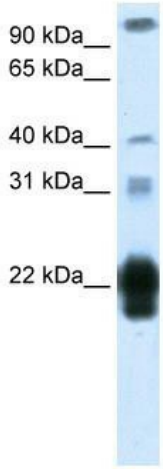
Synonyms: CS-1; CSA; CSMT; hCS-1; hCS-A; PL

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%

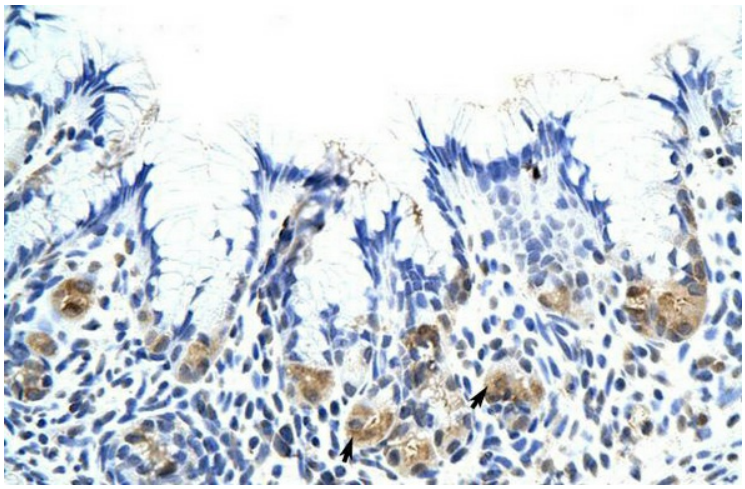
Protein Families: Druggable Genome

Protein Pathways: Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction

Product images:



WB Suggested Anti-CSH1 Antibody Titration: 1.25 ug/ml; ELISA Titer: 1: 312500; Positive Control: Human Placenta



Rabbit Anti-CSH1 Antibody; Paraffin Embedded Tissue: Human Stomach; Cellular Data: Epithelial cells of fundic gland; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X