

**CSH1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20176a**

**Specification**

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**CSH1 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P01243</a>
Other Accession	<a href="#">PODML3</a> , <a href="#">PODML2</a> , <a href="#">NP_072167.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	42-70

**CSH1 Antibody (N-term) - Additional Information**

**Other Names**

CSH1; Chorionic somatomammotropin hormone; Lactogen; Placental lactogen

**Target/Specificity**

This CSH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-70 amino acids from the N-terminal region of human CSH1.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CSH1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

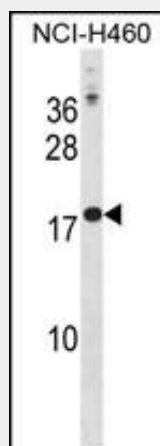
**CSH1 Antibody (N-term) - Protein Information**

**CSH1 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CSH1 Antibody (N-term) - Images



CSH1 Antibody (N-term) (Cat. #AP20176a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the CSH1 antibody detected the CSH1 protein (arrow).

#### CSH1 Antibody (N-term) - 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, 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. [provided by RefSeq].

#### CSH1 Antibody (N-term) - References

- Voorhees, J.L., et al. J. Biol. Chem. 285(26):20022-20030(2010)  
Mannik, J., et al. J. Clin. Endocrinol. Metab. 95(5):2433-2442(2010)  
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Varvarigou, A.A., et al. J Perinat Med 37(4):364-369(2009)  
Chen, Y., et al. Cancer Res. 68(23):9729-9734(2008)