

Datasheet for ABIN1881233  
**anti-CSH1 antibody (N-Term)**



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## Overview

Quantity:	400 µL
Target:	CSH1
Binding Specificity:	AA 42-70, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	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.
Clone:	RB41664
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CSH1
Alternative Name:	CSH1 ( <a href="#">CSH1 Products</a> )
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

## Target Details

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].

NCBI Accession: [NP\\_001308](#), [NP\\_066271](#)

UniProt: [P01243](#)

Pathways: [Response to Growth Hormone Stimulus](#)

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months

## Publications

Product cited in: Markl-Hahn, Neugebauer, Lenke, Ecker, Merz, McCook, Khoder, Brucker, Radermacher, Waller, Clapp, Bertsch, Triebel: "Human Placental Tissue Contains A Placental Lactogen-Derived Vasoinhibin." in: **Journal of the Endocrine Society**, Vol. 6, Issue 4, pp. bvac029, (2022) ([PubMed](#)).

Voorhees, Brooks: "Obligate ordered binding of human lactogenic cytokines." in: **The Journal of biological chemistry**, Vol. 285, Issue 26, pp. 20022-30, (2010) ([PubMed](#)).

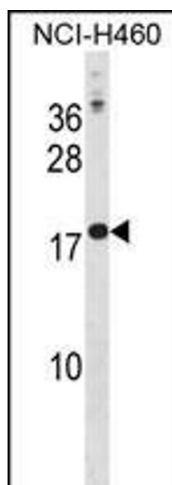
Männik, Vaas, Rull, Teesalu, Rebane, Laan: "Differential expression profile of growth hormone/chorionic somatomammotropin genes in placenta of small- and large-for-gestational-age newborns." in: **The Journal of clinical endocrinology and metabolism**, Vol. 95, Issue 5, pp. 2433-42, (2010) ([PubMed](#)).

Davila, Froeling, Tan, Bonnard, Boland, Snippe, Hibberd, Seielstad: "New genetic associations detected in a host response study to hepatitis B vaccine." in: **Genes and immunity**, Vol. 11, Issue 3, pp. 232-8, (2010) ([PubMed](#)).

Varvarigou, Liatsis, Vassilakos, Decavalas, Beratis: "Effect of maternal smoking on cord blood estriol, placental lactogen, chorionic gonadotropin, FSH, LH, and cortisol." in: **Journal of perinatal medicine**, Vol. 37, Issue 4, pp. 364-9, (2009) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

## Images



### Western Blotting

**Image 1.** CSH1 Antibody (N-term) (ABIN1881233 and ABIN2839027) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the CSH1 antibody detected the CSH1 protein (arrow).