

Rabbit anti-Human CSH1 Polyclonal Antibody | anti-CSH1 antibody

CSH1 Antibody (C-term)

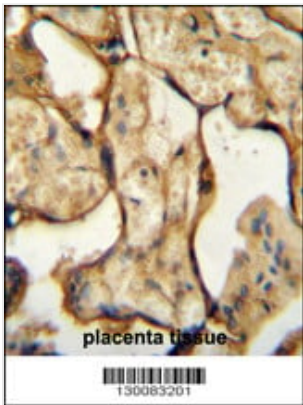
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285271	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

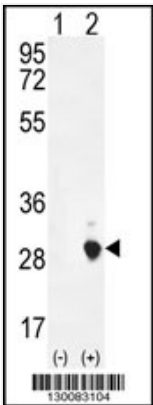
CSH1; Polyclonal Antibody; CSH1 Antibody (C-term); Chorionic somatomammotropin hormone; Lactogen; Placental lactogen; anti-CSH1 antibody

PRODUCT SPECIFICATIONS

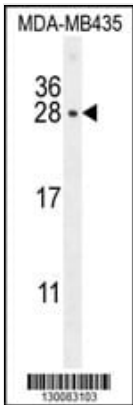
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CSH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 177-204 amino acids from the C-terminal region of human CSH1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	177-204
Sequence Length	217
Applicable Applications for anti-CSH1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
CSH1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CSH1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CSH1 (arrow) using rabbit polyclonal CSH1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CSH1 gene.



WB (Western Blot)
CSH1 Antibody (C-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the CSH1 antibody detected the CSH1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CSH1 antibody	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].
Product Categories/Family for anti-CSH1 antibody	Developmental Biology; Signal Transduction

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) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Varvarigou, A.A., et al. J Perinat Med 37(4):364-369(2009) Chen, Y., et al. Cancer Res. 68(23):9729-9734(2008)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503083
NCBI GeneID	1442
NCBI Accession #	NP_001308.1; NP_066271.1
NCBI GenBank Nucleotide #	NM_001317.5
UniProt Accession #	P01243; Q0VDB1; Q14407; P0DML2
Molecular Weight	25,020 Da
NCBI Official Full Name	chorionic somatomammotropin hormone 1
NCBI Official Synonym Full Names	chorionic somatomammotropin hormone 1 (placental lactogen)
NCBI Official Symbol	CSH1
NCBI Official Synonym Symbols	PL; CSA; CS-1; CSMT; hCS-1; hCS-A
NCBI Protein Information	chorionic somatomammotropin hormone 1
UniProt Protein Name	Chorionic somatomammotropin hormone 1
UniProt Gene Name	CSH1
UniProt Synonym Gene Names	Choriomammotropin; PL
UniProt Entry Name	CSH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/csh1-antibody-immunohistochemistry-western-blot-elisa/285271>