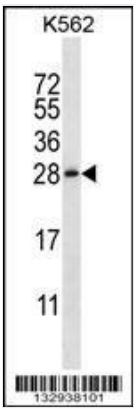
CSHL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CSHL1, Polyclonal Antibody
Full Product Name	CSHL1, CT (CSHL1, CSHP1, CSL, Chorionic somatomammotropin hormone-like 1, Lactogen-like) (Azide free) (HRP)
Product Gene Name	anti-CSHL1 antibody
Product Synonym Names	CSHL1; CSHP1; CSL; Chorionic somatomammotropin hormone-like 1; Lactogen-like
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	25,391 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (61986965..61988688, complement). Location: 17q24.2
OMIM	603515
3D Structure	ModBase 3D Structure for Q14406
Immunogen	CSHL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-152 amino acids from the C-terminal region of human CSHL1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CSHL1 antibody	Antibodies; Hormones; Steroids
Applications Tested/Suitable for anti-CSHL1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CSHL1 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.

Related Product Information for anti-CSHL1 antibody	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed 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. This particular family member is expressed in placental villi, although it was originally thought to be a pseudogene. In fact, alternative splicing suggests that the majority of the transcripts would be unable to express a secreted protein. Alternatively spliced transcript variants encoding different isoforms have been identified.
Product References and Citations for anti-CSHL1 antibody	Bailey, S.D., et al. Diabetes Care (2010). In press: Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Misra-Press, A., et al. J. Biol. Chem. 269(37):23220-23229(1994) MacLeod, J.N., et al. J. Biol. Chem. 267(20):14219-14226(1992) Vnencak-Jones, C.L., et al. Science 250(4988):1745-1748(1990).
Other Notes	Small volumes of anti-CSHL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CSHL1 purchase	MBS6289290 is an antibody targeting CSHL1. Also known as CSHL1, CT (CSHL1, CSHP1, CSL, Chorionic somatomammotropin hormone-like 1, Lactogen-like) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CSHL1 antibody
CSHL1 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CSHL1 antibody detected the CSHL1 protein (arrow).



Immunohistochemistry (IHC) of anti-CSHL1 antibody
CSHL1 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 CSHL1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSHL1. It may not necessarily be applicable to this product.

NCBI GI #	12545381
NCBI GeneID	1444
NCBI Accession #	NP_072103.1
UniProt Primary Accession #	Q14406
UniProt Secondary Accession #	Q0VDB2; D3DU26; D3DU27
UniProt Related Accession #	Q14406
GenBank Nucleotide #	NM_022581.1
NCBI Official Full Name	chorionic somatomammotropin hormone-like 1 isoform 2
NCBI Official Synonym Full Names	chorionic somatomammotropin hormone-like 1
NCBI Official Symbol	CSHL1
NCBI Official Synonym Symbols	CSL; CS-5; CSHP1; hCS-L
UniProt Protein Name	Chorionic somatomammotropin hormone-like 1

UniProt Synonym Protein Names	Lactogen-like
Protein Family	Chorionic somatomammotropin hormone
UniProt Gene Name	CSHL1
UniProt Synonym Gene Names	CSHP1; CSL; Chorionic somatomammotropin-like
UniProt Entry Name	CSHL_HUMAN
NCBI Protein Information	chorionic somatomammotropin hormone-like 1; growth hormone cluster; chorionic somatomammotropin CS-5
UniProt Comments for CSHL1	CSHL1: May be a novel gestational hormone required to compensate for absence of other members of the GH/CS cluster during gestation. Belongs to the somatotropin/prolactin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17q24.2 Cellular Component: extracellular region Molecular Function: hormone activity; metal ion binding
Research Articles on CSHL1	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cshl1/6289290