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CSHL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13052b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q14406
Other Accession	P01243, NP_072103.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32938
Calculated MW	25391
Antigen Region	156-185

Additional Information

Gene ID	1444
Other Names	Chorionic somatomammotropin hormone-like 1, Chorionic somatomammotropin-like, Lactogen-like, CSHL1, CSHP1, CSL
Target/Specificity	This CSHL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-185 amino acids from the C-terminal region of human CSHL1.
Dilution	IHC-P~~1:100~500 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	CSHL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CSHL1
Synonyms	CSHP1, CSL
Function	May be a novel gestational hormone required to compensate for absence of

other members of the GH/CS cluster during gestation.

Cellular Location Secreted.

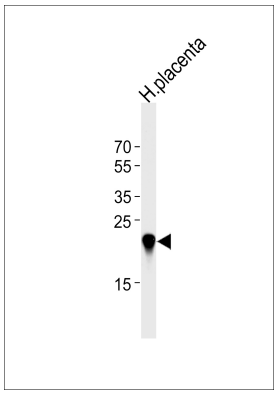
Background

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.

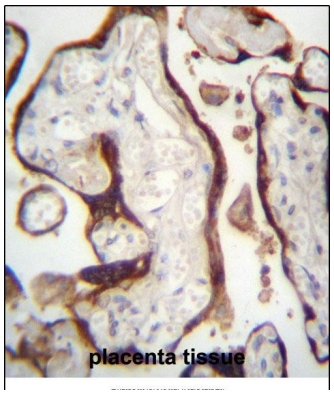
References

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)

Images



Western blot analysis of lysate from human placenta tissue lysate, using CSHL1 Antibody (C-term)(Cat. #AP13052b). AP13052b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



CSHL1 Antibody (C-term) (Cat. #AP13044a)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.