

CSH1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10929b

Product Information

Application	WB, IHC-P, E
Primary Accession	P01243
Other Accession	P01241 , P01242 , Q14406 , NP_001308.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30083
Antigen Region	177-204

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 177-204 amino acids from the C-terminal region of human CSH1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

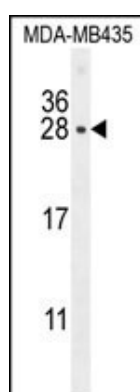
The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones and plays an important role in growth control. The gene is located at the growth hormone locus on chromosome 17 along with four other related genes in the same transcriptional orientation; an arrangement which 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].

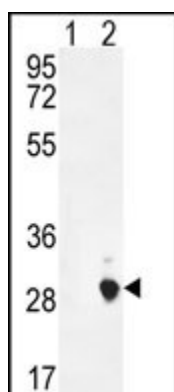
References

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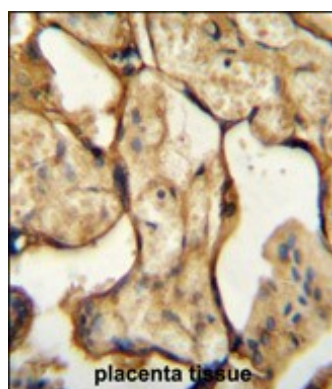
Images



CSH1 Antibody (C-term) (Cat. #AP10929b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the CSH1 antibody detected the CSH1 protein (arrow).



Western blot analysis of CSH1 (arrow) using rabbit polyclonal CSH1 Antibody (C-term) (Cat. #AP10929b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CSH1 gene.



CSH1 Antibody (C-term) (Cat. #AP10929b) 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.