

Datasheet for ABIN954170
anti-CSH1 antibody (C-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	CSH1
Binding Specificity:	AA 180-208, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 180-208 amino acids from the C-terminal region of human CSH1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to human CSH1.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CSH1
Alternative Name:	Placental Lactogen (CSH1 Products)

Target Details

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].Synonyms: CSA, CSH1, CSH2, Choriomammotropin, Chorionic somatomammotropin hormone, HPL
Molecular Weight:	25020 Da
Gene ID:	1442
NCBI Accession:	NP_001308
Pathways:	Response to Growth Hormone Stimulus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

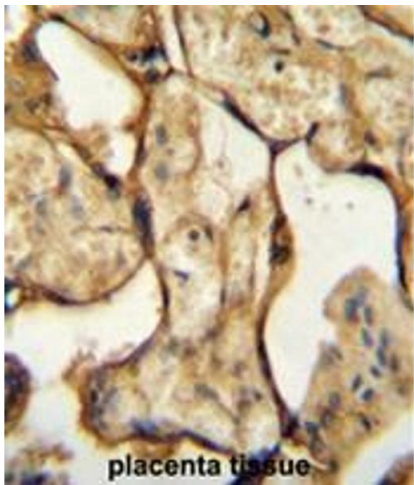
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

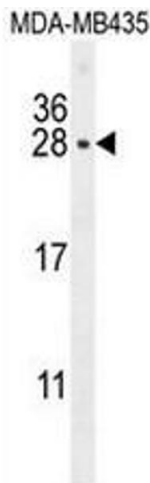
Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



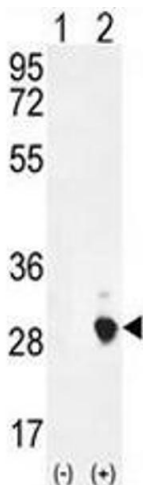
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. CSH1 Antibody (C-term) western blot analysis in MDA-MB435 cell line lysates (35µg/lane). This demonstrates the CSH1 antibody detected the CSH1 protein (arrow).



Western Blotting

Image 3. Western blot analysis of CSH1 (arrow) using rabbit polyclonal CSH1 Antibody (C-term) . 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CSH1 gene.