

CSH2 mouse monoclonal antibody (hybridoma)

Catalog # H00001443-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CSH2.
Immunogen	CSH2 (NP_066271.1, 1 a.a. ~ 217 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAGSRTSLLAFALLCLPWLQEAGAVQTVPLSRLFDHAMLQAHRAHQLAIDTYQEFEETYIPKD QKYSFLHDSQTSFCFSDSIPTSPNMEETQQKSNLELLRISLLIESWLEPVRFRLRSMFANNLVYDTS DSDDYHLLKDLEEGIQTLMGRLEDGSRRTGQILKQTYSKFDTNSHNHDALLKNYGLLYCFRKDMD KVETFLRMVQCRSVEGSCGF
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CSH2

Entrez GeneID [1443](#)

GeneBank Accession# [NM_020991.3](#)

Protein Accession# [NP_066271.1](#)

Gene Name CSH2

Gene Alias CS-2, CSB, hCS-B

Gene Description chorionic somatomammotropin hormone 2

Omim ID [118820](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. 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, while the ratio of 1 to 2 increases by term. Structural and expression differences provide avenues for developmental regulation and tissue specificity. [provided by RefSeq]

Other Designations chorionic somatomammotropin B|placental lactogen

Disease

- [Birth Weight](#)
- [Metabolic Syndrome X](#)