ARG66676
anti-Placental Lactogen antibody [SQab19161]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab19161] recognizes Placental Lactogen
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab19161
Isotype	IgG
Target Name	Placental Lactogen
Species	Human
Immunogen	Synthetic peptide within aa. 100-200 of Human Placental Lactogen.
Conjugation	Un-conjugated
Alternate Names	Choriomammotropin; hCS-A; Lactogen; Placental lactogen; CSA; Chorionic somatomammotropin hormone 1; hCS-1; CSMT; CS-1; PL

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

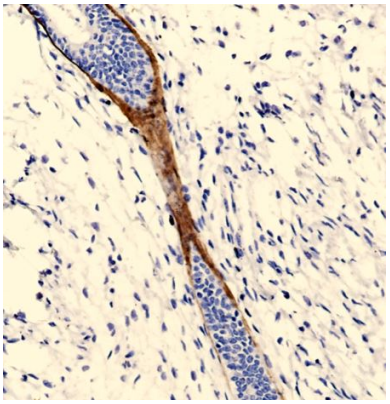
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

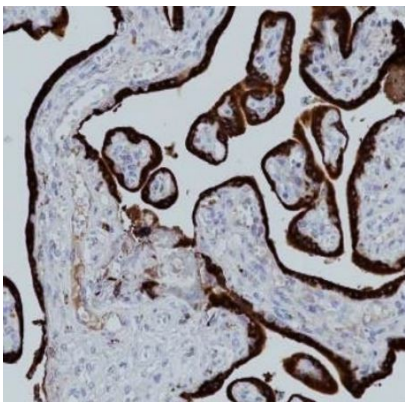
Gene Symbol	CSH1
Gene Full Name	chorionic somatomammotropin hormone 1 (placental lactogen)
Background	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones and plays an important role in growth control. The gene is located at the growth hormone locus on chromosome 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, Jul 2008]
Function	Produced only during pregnancy and is involved in stimulating lactation, fetal growth and metabolism. Does not interact with GHR but only activates PRLR through zinc-induced dimerization. [UniProt]
Calculated Mw	25 kDa
Cellular Localization	Secreted. [UniProt]

Images



ARG66676 anti-Placental Lactogen antibody [SQab19161] IHC-P image

Immunohistochemistry: Paraffin-embedded Human endometrial cancer tissue stained with ARG66676 anti-Placental Lactogen antibody [SQab19161].



ARG66676 anti-Placental Lactogen antibody [SQab19161] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human placenta tissue stained with ARG66676 anti-Placental Lactogen antibody [SQab19161]. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0).