

Basic Information

Catalog Number:

66728-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG3

Immunogen Catalog Number:

AG9412

GenBank Accession Number:

BC022044

GeneID (NCBI):

1443

UNIPROT ID:

P01243

Full Name:

chorionic somatomammotropin hormone 2

Calculated MW:

217 aa, 25 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

1D11E4

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:500-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Positive Controls:

WB : human placenta tissue,

IHC : human placenta tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The human growth hormone (GH) locus is comprised by two GH (GH1 and GH2) genes and three chorionic somatomammotropin (CSH1, CSH2 and CSH-L) genes. Placental lactogens (CSH1, CSH2) are produced in the mammalian placenta and are similar in structure and function to growth hormones. Together, placental lactogens and growth factors play an essential role to assure successful lactation after pregnancy. Placental lactogens also modify the metabolic state of the mother during pregnancy to supply energy to the fetus. Both CSH1 and CSH2 can be detected by this antibody.

Storage

Storage:

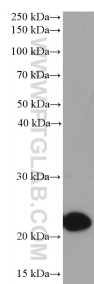
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

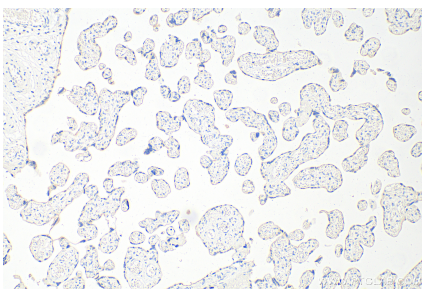
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

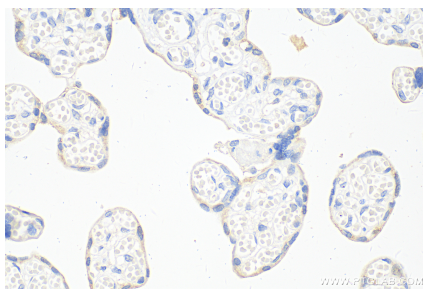
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 66728-1-Ig (Placental lactogen antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66728-1-Ig (Placental lactogen antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66728-1-Ig (Placental lactogen antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).