

HBG 1/2-Specific Monoclonal antibody

Catalog Number: 66168-1-Ig

Basic Information

Catalog Number:

66168-1-Ig

Size:

2900 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM_000559

GeneID (NCBI):

3047

UNIPROT ID:

P69891

Full Name:

hemoglobin, gamma A

Calculated MW:

16 kDa

Purification Method:

Protein A purification

CloneNo.:

2A4B5

Recommended Dilutions:

IHC 1:200-1:16000

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human

Positive Controls:

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

HBG1, also named as Hb F Agamma, HBGA, HBGR and HSGGL, belongs to the globin family. HBG1 makes up the fetal hemoglobin F, in combination with alpha chains. Some gamma variants can cause severe jaundice and cyanosis in premature and new born babies. The antibody is specific to HBG1 and HBG2. The antibody has no cross reaction to HBB and HBD. HBG1 protein migrates around 16 kDa. Heterodimer of 32 kDa may also be observed. This antibody could identify HBG1 and HBG2.

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

For technical support and original validation data for this product please contact:

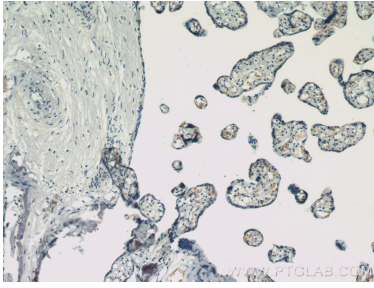
T: 4006900926

E: Proteintech-CN@ptglab.com

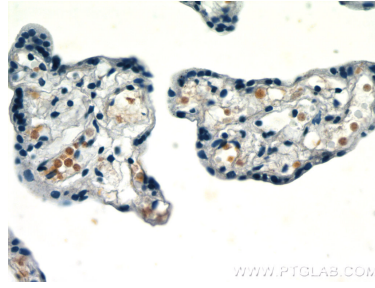
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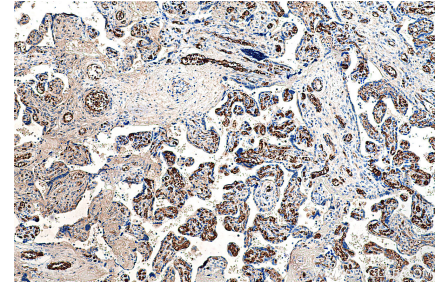
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66168-1-Ig (HBG1/2-Specific antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66168-1-Ig (HBG1-Specific antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66168-1-Ig (HBG1/2-Specific antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).