

For Research Use Only

HBG1/2-Specific Monoclonal antibody



Catalog Number: 66168-1-Ig

Basic Information

Catalog Number: 66168-1-Ig	GenBank Accession Number: NM_000559	Purification Method: Protein A purification
Size: 2900 µg/ml	GeneID (NCBI): 3047	CloneNo.: 2A4B5
Source: Mouse	UNIPROT ID: P69891	Recommended Dilutions: IHC 1:200-1:16000
Isotype: IgG2a	Full Name: hemoglobin, gamma A	
	Calculated MW: 16 kDa	

Applications

Tested Applications:
FC, IHC, ELISA

Species Specificity:
human

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

Positive Controls:

IHC : human placenta tissue,

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:

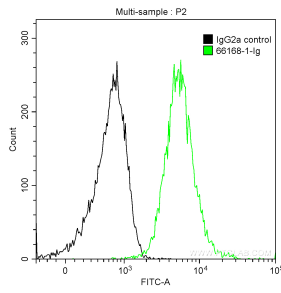
T: 4006900926

E: Proteintech-CN@ptglab.com

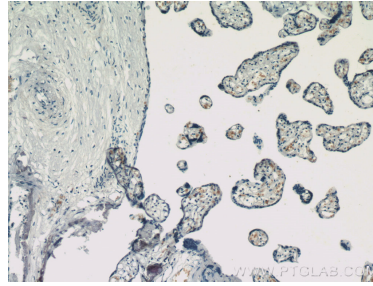
W: ptgcn.com

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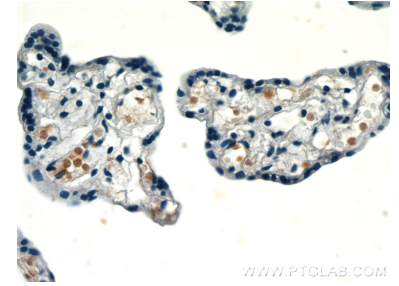
Selected Validation Data



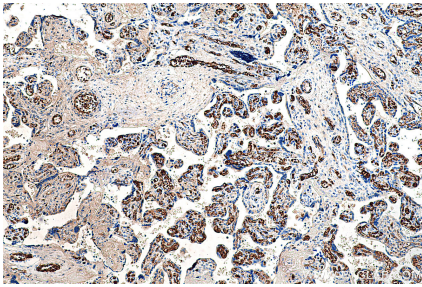
1X10⁶ K-562 cells were intracellularly stained with 0.2 ug Anti-Human HBG1/2-Specific (66168-1-Ig, Clone:2A4B5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



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).