

HBG 1/2-Specific Polyclonal antibody

Catalog Number: 19993-1-AP

Basic Information

Catalog Number:

19993-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000559

GeneID (NCBI):

3047

UNIPROT ID:

P69891

Full Name:

hemoglobin, gamma A

Calculated MW:

16 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : recombinant protein, 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:

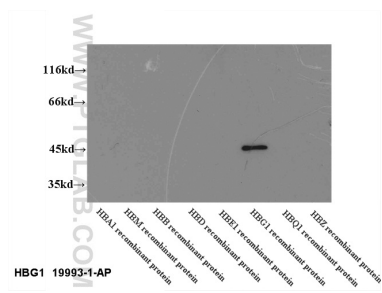
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

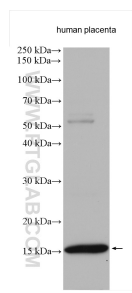
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

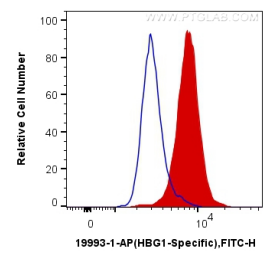
Selected Validation Data



WB results of 19993-1-AP (HBG1/2-Specific antibody) at dilution of 1:2000.



human placenta tissue were subjected to SDS PAGE followed by western blot with 19993-1-AP (HBG1/2-Specific antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



1X10⁶ K-562 cells were intracellularly stained with 0.4 ug Anti-Human HBG1/2-Specific (19993-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).