

HBG1 rabbit monoclonal antibody

Catalog # H00003047-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HBG1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HBG1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HBG1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HBG1

Entrez GeneID	3047
GeneBank Accession#	HBG1
Gene Name	HBG1
Gene Alias	HBGA, HBGR, HSGGL1, PRO2979
Gene Description	hemoglobin, gamma A
Omim ID	142200
Gene Ontology	Hyperlink
Gene Summary	The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (Hb F) which is normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain production continues into adulthood. The two types of gamma chains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is found in the A-gamma product (HBG1). The former is predominant at birth. The order of the genes in the beta-globin cluster is: 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'. [provided by RefSeq]
Other Designations	A-gamma globin gamma A hemoglobin gamma globin hemoglobin gamma-a chain hemoglobin, gamma, regulator of

Disease

- [beta-Thalassemia](#)