

## HBG1 polyclonal antibody (A01)

Catalog # H00003047-A01

Size 50 uL

### Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a full-length recombinant HBG1.
<b>Immunogen</b>	HBG1 (AAH10913, 1 a.a. ~ 147 a.a) full-length recombinant protein with GST tag.
<b>Sequence</b>	MGHFTTEEDKATITSLWGKVNVEDAGGETLGRLLVVYPWTQRFFDSFGNLSSASAVMGNPVKVKA HGKKVLTSLGDAIKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVLVTYLAHFGKEFTPEVQA SWQKMVTGVASALSSRYH
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Rat (74)
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### Applications

- ELISA

### Gene Info — HBG1

<b>Entrez GeneID</b>	<a href="#">3047</a>
<b>GeneBank Accession#</b>	<a href="#">BC010913</a>
<b>Protein Accession#</b>	<a href="#">AAH10913</a>

Gene Name	HBG1
Gene Alias	HBGA, HBGR, HSGGL1, PRO2979
Gene Description	hemoglobin, gamma A
Omim ID	<a href="#">142200</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)