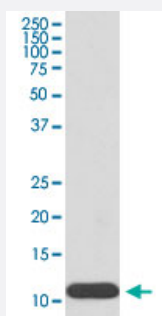


HBG1/HBG2 monoclonal antibody, clone AADB-8

Catalog # MAB20119 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with HBG1/HBG2 monoclonal antibody, clone AADB-8 (Cat # MAB20119).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HBG1/HBG2.
Immunogen	A synthetic peptide corresponding to human HBG1/HBG2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with HBG1/HBG2 monoclonal antibody, clone AADB-8 (Cat # MAB20119).

Gene Info — HBG1

Entrez GeneID [3047](#)

Protein Accession# [P69891;P69892](#)

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

Gene Info — HBG2

Entrez GeneID [3048](#)

Protein Accession# [P69891;P69892](#)

Gene Name HBG2

Gene Alias	FLJ76540
Gene Description	hemoglobin, gamma G
Omim ID	142250
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	G-gamma globin OTTHUMP00000069638 abnormal hemoglobin hemoglobin gamma-G methemoglobin

Disease

- [Anemia](#)
- [beta-Thalassemia](#)
- [beta-Thalassemia](#)
- [Pain](#)
- [Thalassemia](#)