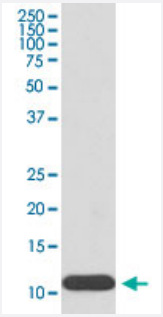
# HBG1/HBG2 monoclonal antibody, clone AADB-8

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)<br>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 st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |

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|---|---|
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 ch ains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is f ound 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 R efSeq |
| **Other Designations** | A-gamma globin\|gamma A hemoglobin\|gamma globin\|hemoglobin gamma-a chain\|hemoglobin, g amma, regulator of |

## Gene Info — HBG2

| | |
|---|---|
| **Entrez GeneID** | 3048 |
| **Protein Accession#** | P69891;P69892 |
| **Gene Name** | HBG2 |

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| | |
|---|---|
| **Gene Alias** | FLJ76540 |
| **Gene Description** | hemoglobin, gamma G |
| **Omim ID** | 142250 |
| **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 ch ains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is f ound 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 R efSeq |
| **Other Designations** | G-gamma globin\|OTTHUMP00000069638\|abnormal hemoglobin\|hemoglobin gamma-G\|methem oglobin |

## Disease

- Anemia
- beta-Thalassemia
- beta-Thalassemia
- Pain
- Thalassemia

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