

Datasheet for ABIN657619  
**anti-HBG1 antibody (AA 56-85)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	HBG1
Binding Specificity:	AA 56-85
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBG1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This HBG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-85 amino acids from the Central region of human HBG1.
Clone:	RB33610
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	HBG1
Alternative Name:	HBG1 ( <a href="#">HBG1 Products</a> )
Background:	The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen

## Target Details

and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (HbF) 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'.

Molecular Weight: 16140

Gene ID: 3047

NCBI Accession: [NP\\_000550](#)

UniProt: [P69891](#)

## Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

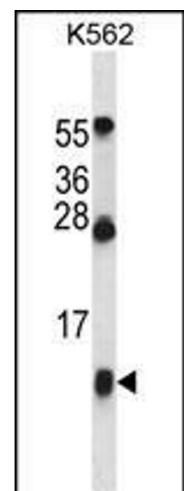
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

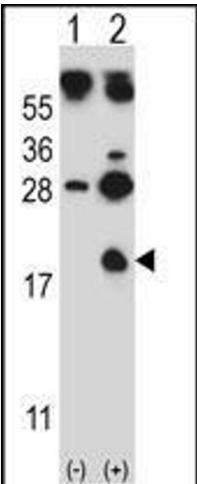
Storage Comment: HBG1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



#### Western Blotting

**Image 1.** HBG1 Antibody (Center) (ABIN657619 and ABIN2846615) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the HBG1 antibody detected the HBG1 protein (arrow).



#### Western Blotting

**Image 2.** Western blot analysis of HBG1 (arrow) using rabbit polyclonal HBG1 Antibody (Center) (ABIN657619 and ABIN2846615). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HBG1 gene.