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## Datasheet for ABIN7467138 **anti-HBG2 antibody**

### Overview

Quantity:	100 µL
Target:	HBG2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBG2 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Full length human Hemoglobin gamma G Recombinant protein.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	HBG2
Alternative Name:	hemoglobin subunit gamma 2 ( <a href="#">HBG2 Products</a> )
Background:	Hemoglobin subunit gamma 2 , HBG-T1 , TNCY, 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 (HbF) which is normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain

## Target Details

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]

Molecular Weight: 16 kDa

Gene ID: 3048

UniProt: [P69892](#)

## Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

Comment: Validation: Orthogonal

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.71 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.