

Datasheet for ABIN2789939
anti-HBG2 antibody (Middle Region)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	HBG2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rabbit, Rat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBG2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	MGNPKVKAHG KKVLTSLGDA IKHLDDLKGT FAQLSELHCD KLHVDPENFK
Predicted Reactivity:	Cow: 100%, Dog: 77%, Goat: 100%, Guinea Pig: 77%, Horse: 77%, Human: 100%, Mouse: 83%, Pig: 93%, Rabbit: 75%, Rat: 83%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against HBG2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HBG2
Alternative Name:	HBG2 (HBG2 Products)
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'.

Alias Symbols: FLJ76540

Protein Interaction Partner: VCAM1, SMAD5, RPSA, ITGA4, APP, CYB5R3, HBG2, HBB,

Protein Size: 147

Molecular Weight: 16 kDa

Gene ID: 3048

NCBI Accession: [NM_000184](#), [NP_000175](#)

UniProt: [P69892](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 147 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

