

Product datasheet

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ARG59704 anti-hemoglobin gamma antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes hemoglobin gamma

Tested Reactivity Hu
Tested Application WB

Specificity This antibody react to hemoglobin subunit gamma 1 and gamma 2.

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name hemoglobin gamma

Species Human

Immunogen Synthetic peptide derived from Human hemoglobin gamma.

Conjugation Un-conjugated

Alternate Names Hemoglobin gamma-1 chain; HBGR; HSGGL1; PRO2979; Hemoglobin subunit gamma-1; HBG-T2;

Hemoglobin gamma-A chain; Gamma-1-globin; HBGA; Hb F Agamma

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Ohserved Size	11 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol HBG1

Gene Full Name hemoglobin, gamma A

Background 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 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

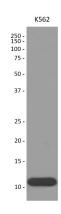
cluster is: 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'. [provided by RefSeq, Jul 2008]

Function Gamma chains make up the fetal hemoglobin F, in combination with alpha chains. [UniProt]

Calculated Mw 16 kDa

PTM Acetylation of Gly-2 converts Hb F to the minor Hb F1. [UniProt]

Images



ARG59704 anti-hemoglobin gamma antibody WB image

Western blot: K562 cell lysate stained with ARG59704 antihemoglobin gamma antibody.