

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.	
Observed 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 anti-hemoglobin gamma antibody.