

Rabbit anti-Human HBG1 Polyclonal Antibody | anti-HBG1 antibody

HBG1 Antibody (Center)

CATALOG # AAA289066	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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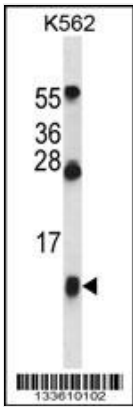
PRODUCT SYNONYMS

HBG1; Polyclonal Antibody; HBG1 Antibody (Center); Hemoglobin subunit gamma-1; Gamma-1-globin; Hb F Agamma; Hemoglobin gamma-1 chain; Hemoglobin gamma-A chain; anti-HBG1 antibody

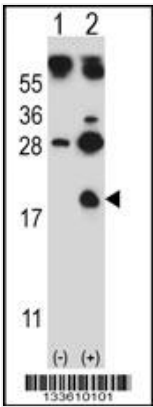
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	56-85
Sequence Length	147
Applicable Applications for anti-HBG1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
HBG1 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HBG1 antibody detected the HBG1 protein (arrow).



WB (Western Blot)
Western blot analysis of HBG1 (arrow) using rabbit polyclonal HBG1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HBG1 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-HBG1 antibody	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'.
Product Categories/Family for anti-HBG1 antibody	Cardiovascular; Signal Transduction
References	Zhou, D., et al. Nat. Genet. 42(9):742-744(2010) Miccio, A., et al. Mol. Cell. Biol. 30(14):3460-3470(2010) Nuinoon, M., et al. Hum. Genet. (2009) In press : da Cunha, A.F., et al. Hemoglobin 33(6):439-447(2009) Hamid, M., et al. Hemoglobin 33(6):428-438(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	28302131
NCBI GeneID	3047
NCBI Accession #	NP_000550.2
NCBI GenBank Nucleotide #	NM_000559.2
UniProt Accession #	P69891 ; P02096 ; P62027 ; Q549G1 ; Q8TDA1 ; Q96FH7
Molecular Weight	16140
NCBI Official Full Name	hemoglobin subunit gamma-1
NCBI Official Synonym Full Names	hemoglobin, gamma A
NCBI Official Symbol	HBG1
NCBI Official Synonym Symbols	HBGA; HBGR; HBG-T2; HSGGL1; PRO2979

NCBI Protein Information	hemoglobin subunit gamma-1
UniProt Protein Name	Hemoglobin subunit gamma-1
UniProt Gene Name	HBG1
UniProt Entry Name	HBG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hbg1-antibody-western-blot-elisa/289066>