

Rabbit HBA2 Polyclonal Antibody | anti-HBA1 antibody

HBA2 Antibody (Center)

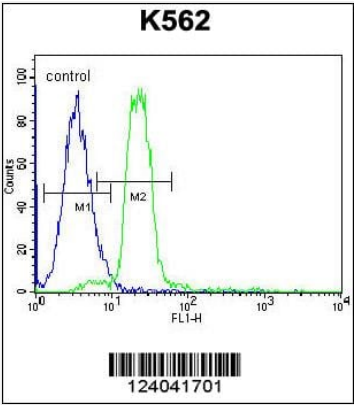
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288835	Rabbit	Human, mouse (Predicted Reactivity: Monkey)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

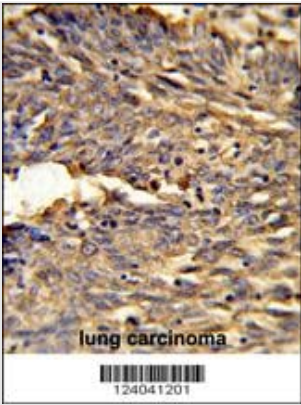
HBA2; Polyclonal Antibody; HBA2 Antibody (Center); Hemoglobin subunit alpha; Alpha-globin; Hemoglobin alpha chain; HBA1; anti-HBA1 antibody

PRODUCT SPECIFICATIONS

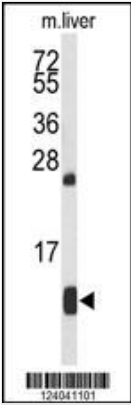
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HBA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-128 amino acids from the Central region of human HBA2.
Purity/Purification	Peptide 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	100-128
Sequence Length	142
Applicable Applications for anti-HBA1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), 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.



FCM/FACS (Flow Cytometry)
HBA2 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HBA2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HBA2 Antibody (Center) in mouse liver tissue lysates (35ug/lane). HBA2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HBA1 antibody	HBA2 located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported.
Product Categories/Family for anti-HBA1 antibody	Cardiovascular
References	Sessa, R., et al. Am. J. Hematol. 85(2):143-144(2010) Sharma, V., et al. Hematology 14(5):297-300(2009) Waye, J.S., et al. Hemoglobin 33(6):519-522(2009) Roy, P., et al. Hemoglobin 33(6):486-491(2009) Joly, P., et al. Hemoglobin 33(3):196-205(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504345
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NCBI GeneID	3040
NCBI Accession #	NP_000508.1; NP_000549.1
NCBI GenBank Nucleotide #	NM_000517.4
UniProt Accession #	P69905; P01922; Q1HDT5; Q3MIF5; Q53F97; Q96KF1; Q9NYR7; Q9UCM0
Molecular Weight	15258
NCBI Official Full Name	hemoglobin subunit alpha
NCBI Official Synonym Full Names	hemoglobin, alpha 2
NCBI Official Symbol	HBA2
NCBI Official Synonym Symbols	HBH; HBA-T2
NCBI Protein Information	hemoglobin subunit alpha
UniProt Protein Name	Hemoglobin subunit alpha
UniProt Gene Name	HBA1
UniProt Entry Name	HBA_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/hba2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288835>