

Rabbit anti-Human HBA2 Polyclonal Antibody | anti-HBA2 antibody

HBA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327354	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

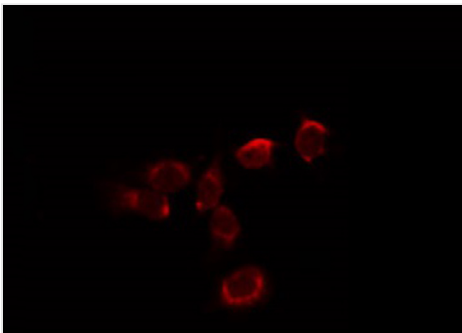
PRODUCT SYNONYMS

HBA2; Polyclonal Antibody; HBA2 Antibody; Alpha 1 globin; Alpha globin; Alpha one globin; Alpha-globin; HBA_HUMAN; HBA1; Hemoglobin alpha 1; Hemoglobin alpha 1 chain; Hemoglobin alpha 1 globin chain; Hemoglobin alpha 2; Hemoglobin alpha chain; Hemoglobin subunit alpha; MGC126895; MGC126897; anti-HBA2 antibody

PRODUCT SPECIFICATIONS

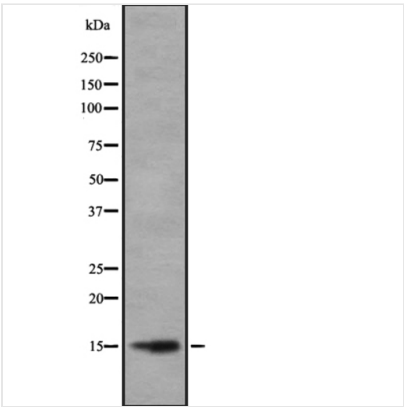
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	HBA2 antibody detects endogenous levels of total HBA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	142
Applicable Applications for anti-HBA2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HBA2
Tissue Specificity	Red blood cells.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Dog (92%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327354 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of HBA2 using Jurkat whole lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-HBA2 antibody

Function: Involved in oxygen transport from the lung to the various peripheral tissues.
Subunit Structure: Heterotetramer of two alpha chains and two beta chains in adult hemoglobin A (HbA); two alpha chains and two delta chains in adult hemoglobin A2 (HbA2); two alpha chains and two epsilon chains in early embryonic hemoglobin Gower-2; two alpha chains and two gamma chains in fetal hemoglobin F (HbF).
Post-translational Modifications: The initiator Met is not cleaved in variant Thionville and is Acetylated.
Similarity: Belongs to the globin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504345
NCBI GeneID	3040
NCBI Accession #	NP_000508.1
NCBI GenBank Nucleotide #	NM_000517.6
UniProt Accession #	P69905; P01922; Q1HDT5; Q3MIF5; Q53F97; Q96KF1; Q9NYR7; Q9UCM0
Molecular Weight	Observed: 15 kDa Predicted: 16 kDa
NCBI Official Full Name	hemoglobin subunit alpha
NCBI Official Synonym Full Names	hemoglobin subunit alpha 2
NCBI Official Symbol	HBA2
NCBI Official Synonym Symbols	HBH; ECYT7; HBA-T2
NCBI Protein Information	hemoglobin subunit alpha
UniProt Protein Name	Hemoglobin subunit alpha
UniProt Gene Name	HBA1

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.