ARG40367
anti-Hemoglobin alpha antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Hemoglobin alpha.
Tested Reactivity	Hu
Predict Reactivity	Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Hemoglobin
Species	Human
Immunogen	Recombinant protein corresponding to V2-R142 of Human Hemoglobin alpha.
Conjugation	Un-conjugated
Alternate Names	HBA1; Hemoglobin Subunit Alpha 1; HBA-T3; Hemoglobin Subunit Alpha; Hemoglobin, Alpha 1; Hemoglobin Alpha 1 Globin Chain; Hemoglobin Alpha Chain; Alpha-2 Globin Chain; Alpha Globin Chain; Alpha One Globin; Delta Globin; Alpha-Globin; METHBA; ECYT7; HBH; HBA2; Hemoglobin Subunit Alpha 2; HBA-T2; Hemoglobin Subunit Alpha; Hemoglobin Alpha Chain; Hemoglobin, Alpha 2; Mutant Hemoglobin Alpha 2 Globin Chain; Alpha-2 Globin; Alpha Globin; Alpha-Globin; ECYT7; HBH

Application Instructions

Application table

Application	Dilution
IHC-P	0.5 - 1 µg/ml

Application Note

IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

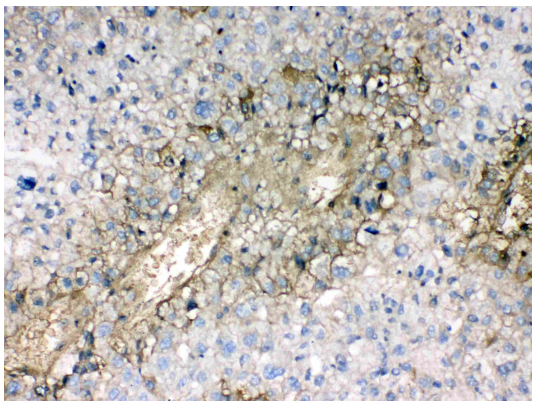
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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

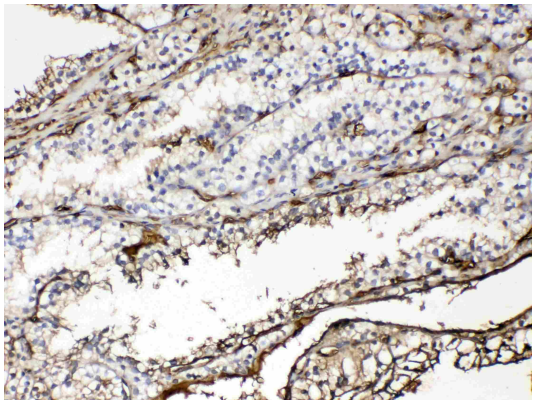
Gene Symbol	HBA1; HBA2
Gene Full Name	Hemoglobin Subunit Alpha 1; Hemoglobin Subunit Alpha 2
Background	The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) 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. [provided by RefSeq, Jul 2008]
Function	Involved in oxygen transport from the lung to the various peripheral tissues. [UniProt]
Calculated Mw	15 kDa
PTM	The initiator Met is not cleaved in variant Thionville and is acetylated. [UniProt]

Images



ARG40367 anti-Hemoglobin Alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40367 anti-Hemoglobin Alpha antibody at 1 µg/ml, overnight at 4°C.



ARG40367 anti-Hemoglobin Alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human renal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained withARG40367 anti-Hemoglobin Alpha antibody at 1 µg/ml, overnight at 4°C.