Hemoglobin subunit alpha Rabbit mAb

Catalog No: #49097

Package Size: #49097-1 50ul #49097-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Description

Product NameHemoglobin subunit alpha Rabbit mAbHost SpeciesRecombinant RabbitClonaltyMonoclonal antibodyClonal No.SN70-09PurificationProA affinity purifiedApplicationsWB, HC, IPSpecies ReactivityHu, Ms, RtImmunogen Descriptionrecombinant proteinOther NamesAlpha 1 globin antibody Alpha globin antibody Alpha one globin alpha 1 diani antibody HBA1 antibody HBA2 antibody Hemoglobin alpha 1 antibody Hemoglobin alpha 1 diani antibody Hemoglobin subunit alpha antibody MGC126895		
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	Storage	Store at -20°C

Application Details

WB: 1:1,000

IHC: 1:10-1:50

Images



Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Hemoglobin subunit alpha antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Hemoglobin subunit alpha antibody. Counter stained with hematoxylin.

Immunohistochemical analysis of paraffin-embedded mouse embryo tissue using anti-Hemoglobin subunit alpha antibody. Counter stained with hematoxylin.

Background

Hemoglobin (Hgb) is coupled to four iron-binding, methene-linked tetrapyrrole rings (heme). The α (16p13.3; 5'-ζ-pseudoz-pseudo α 2-pseudo α 1- α 2- α 1- γ 1-3') and β (11p15.5) globin loci determine the basic hemoglobin structure. The globin portion of hemoglobin consists of two α chains and two β chains arranged in pairs forming a tetramer. Each of the four globin chains covalently associates with a heme group. The bonds between α and β chains are weaker than between similar globin chains, thereby forming a cleavage plane that is important for oxygen binding and release. High affinity for oxygen occurs upon relaxation of the α 1- β 2 cleavage plane. When the two α 1- β 2 interfaces are closely bound, hemoglobin has a low affinity for oxygen. Hb A, which contains two α chains plus two β chains, comprises 97% of total circulating hemoglobin. The remaining 3% of total circulating hemoglobin is comprised of Hb A-2, which consists of two α chains plus two δ chains, and fetal hemoglobin (Hb F), which consists of two α chains together with two γ chains.

References

Note: This product is for in vitro research use only