


# Anti-Hemoglobin subunit alpha antibody ab82871

★★★★★ [1 Abreviews](#) [1 References](#) [3 图像](#)

### 概述

产品名称	Anti-Hemoglobin subunit alpha抗体
描述	兔多克隆抗体to Hemoglobin subunit alpha
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help. You may also be interested in our alternative recombinant antibody, <a href="#">ab92492</a> .
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human 预测可用于: Rat, Chimpanzee, Monkey, Baboon, Macaque monkey, Rhesus monkey, Gorilla, Dolphin, Orangutan 
免疫原	Synthetic peptide corresponding to Human Hemoglobin subunit alpha aa 100 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab93083</a> )
阳性对照	This antibody gave a positive signal in human bone marrow and spleen tissue lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

**纯度** Immunogen affinity purified  
**克隆** 多克隆  
**同种型** IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab82871于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (1)	Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/250. Detects a band of approximately 15 kDa (predicted molecular weight: 15 kDa).

## 靶标

**功能** Involved in oxygen transport from the lung to the various peripheral tissues.

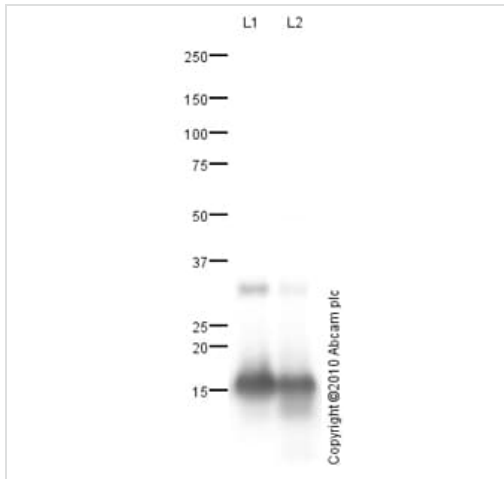
**组织特异性** Red blood cells.

**疾病相关** Heinz body anemias  
Alpha-thalassemia  
Alpha(0)-thalassemia is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders.  
Hemoglobin H disease

**序列相似性** Belongs to the globin family.

**翻译后修饰** The initiator Met is not cleaved in variant Thionville and is acetylated.

## 图片



Western blot - Anti-Hemoglobin subunit alpha antibody (ab82871)

**All lanes** : Anti-Hemoglobin subunit alpha antibody (ab82871) at 1/250 dilution

**Lane 1** : Bone Marrow (Human) Tissue Lysate - adult normal tissue

**Lane 2** : Human spleen tissue lysate - total protein ([ab29699](#))

Lysates/proteins at 10 µg per lane.

#### **Secondary**

**All lanes** : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

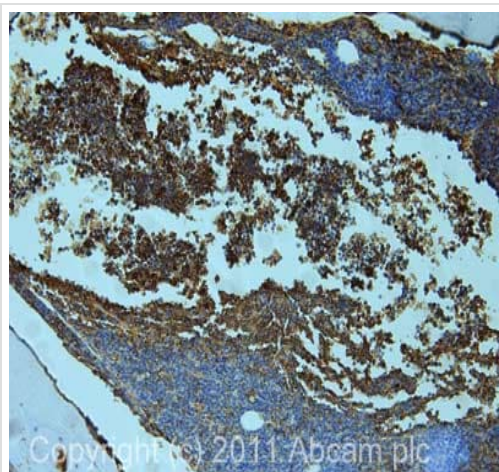
Performed under reducing conditions.

**Predicted band size:** 15 kDa

**Observed band size:** 15 kDa

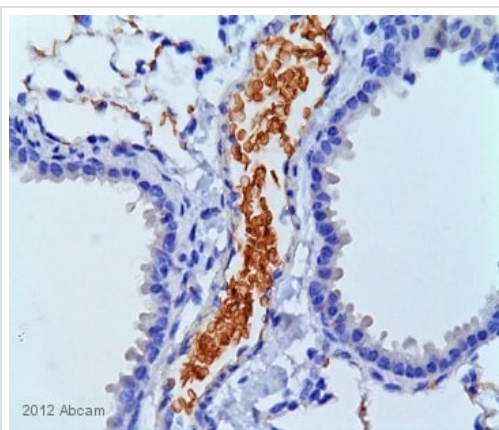
**Additional bands at:** 31 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit alpha antibody (ab82871)

IHC image of Hemoglobin A1c staining in human bone marrow formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab82871, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit alpha antibody (ab82871)

This image is courtesy of an anonymous Abreview

**ab17976** staining Hemoglobin A1c in Rat Lung tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 1% BSA in PBS for 20 minutes at 25°C; antigen retrieval was by heat mediation in a citrate buffer pH6.0. Samples were incubated with primary antibody (1/100 in blocking buffer) for 1 hours at 25°C. An undiluted HRP-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody

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