# abcam

### Product datasheet

# Anti-P4HB antibody ab96744

## 2 图像

#### 概述

免疫原

产品名称 Anti-P4HB抗体

描述 兔多克隆抗体to P4HB

**宿主** Rabbit

经测试应用 适用于: WB, ICC/IF

种属反应性 与反应: Human

预测可用于: Mouse, Rat, Rabbit, Cow

Recombinant fragment corresponding to a region within amino acids 73-197 of Human P4HB

(NP\_000909).

**阳性**对照 293T, A431 and H1299 whole cell lysates; A431 cells; HeLa S3, HepG2, MOLT4 and Raji cell

ines

常规说明

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.

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&As

性能

形式 Liquid

**存放说明** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

**存储溶液** pH: 7.00

Preservative: 0.01% Thimerosal (merthiolate)

Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)

纯**度** Immunogen affinity purified

**克隆** 多克隆

**同种型** IgG

1

#### The Abpromise guarantee

#### Abpromise™承诺保证使用ab96744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
WB		1/500 - 1/3000. Predicted molecular weight: 57 kDa.
ICC/IF		1/100 - 1/200.

#### 靶标

#### 功能

This multifunctional protein catalyzes the formation, breakage and rearrangement of disulfide bonds. At the cell surface, seems to act as a reductase that cleaves disulfide bonds of proteins attached to the cell. May therefore cause structural modifications of exofacial proteins. Inside the cell, seems to form/rearrange disulfide bonds of nascent proteins. At high concentrations, functions as a chaperone that inhibits aggregation of misfolded proteins. At low concentrations, facilitates aggregation (anti-chaperone activity). May be involved with other chaperones in the structural modification of the TG precursor in hormone biogenesis. Also acts a structural subunit of various enzymes such as prolyl 4-hydroxylase and microsomal triacylglycerol transfer protein MTTP.

#### 序列相似性

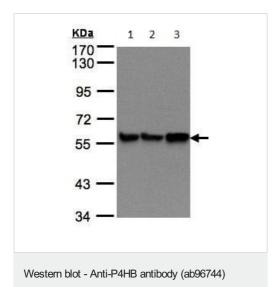
Belongs to the protein disulfide isomerase family.

Contains 2 thioredoxin domains.

#### 细胞定位

Endoplasmic reticulum lumen. Melanosome. Cell membrane. Highly abundant. In some cell types, seems to be also secreted or associated with the plasma membrane, where it undergoes constant shedding and replacement from intracellular sources (Probable). Localizes near CD4-enriched regions on lymphoid cell surfaces. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

#### 图片



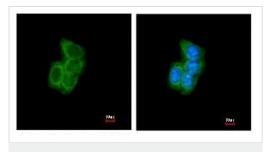
**All lanes :** Anti-P4HB antibody (ab96744) at 1/500 dilution

Lane 1: 293T whole cell lysate
Lane 2: A431 whole cell lysate
Lane 3: H1299 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 57 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-P4HB antibody (ab96744) ab96744, at 1/200 dilution, staining P4HB in methanol-fixed A431 cells by Immunofluorescence analysis. Right image is costained with Hoechst 33342.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- · Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- · Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- · We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <a href="https://www.abcam.cn/abpromise">https://www.abcam.cn/abpromise</a> or contact our technical team.

#### Terms and conditions

· Guarantee only valid for products bought direct from Abcam or one of our authorized distributors