

### Anti-GRC5 / PHF2 antibody ab65771

#### 1 图像

#### 概述

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产品名称	Anti-GRC5 / PHF2抗体
描述	兔多克隆抗体to GRC5 / PHF2
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide, corresponding to C terminal amino acids 830-1096 of Human GRC5/ PHF2
阳性对照	Nuclear extracts of HeLa cells.
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

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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	Constituent: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

#### 应用

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**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab65771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		1/1000. Detects a band of approximately 130 kDa (predicted molecular weight: 121 kDa).

## 靶标

### 功能

Lysine demethylase that demethylates both histones and non-histone proteins. Enzymatically inactive by itself, and becomes active following phosphorylation by PKA: forms a complex with ARID5B and mediates demethylation of methylated ARID5B. Demethylation of ARID5B leads to target the PHF2-ARID5B complex to target promoters, where PHF2 mediates demethylation of dimethylated 'Lys-9' of histone H3 (H3K9me2), followed by transcription activation of target genes. The PHF2-ARID5B complex acts as a coactivator of HNF4A in liver. PHF2 is recruited to trimethylated 'Lys-4' of histone H3 (H3K4me3) at rDNA promoters and promotes expression of rDNA.

### 组织特异性

Widely expressed, including in liver (at protein level).

### 序列相似性

Belongs to the JHDM1 histone demethylase family. JHDM1D subfamily.  
Contains 1 JmjC domain.  
Contains 1 PHD-type zinc finger.

### 结构域

The PHD-type zinc finger mediates the binding to H3K4me2 and H3K4me3.

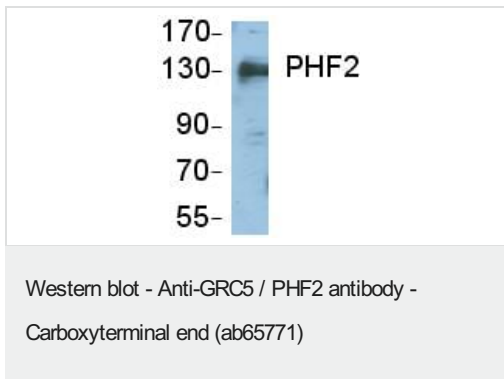
### 翻译后修饰

Phosphorylated by PKA on specific serine residues, leading to the formation of an active lysine demethylase complex.

### 细胞定位

Nucleus > nucleolus.

## 图片



Anti-GRC5 / PHF2 antibody (ab65771) at 1/1000 dilution + Nuclear extracts of HeLa cells.

**Predicted band size:** 121 kDa

**Observed band size:** 130 kDa

**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 <https://www.abcam.cn/abpromise> or contact our technical team.

### **Terms and conditions**

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