


### Anti-PCM1 antibody ab72443

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#### 概述

产品名称	Anti-PCM1抗体
描述	兔多克隆抗体to PCM1
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Orangutan 
免疫原	A synthetic peptide corresponding to a region between residues 1925 and 1975 of human PCM1.
阳性对照	HeLa whole cell lysate; 293T and mouse NIH3T3 cell 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
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ab72443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		1/2000 - 1/10000. Detects a band of approximately 270 kDa.
IP		Use a concentration of 2 - 5 µg/ml.

## 靶标

### 功能

Required for centrosome assembly and function. Essential for the correct localization of several centrosomal proteins including CEP250, CETN3, PCNT and NEK2. Required to anchor microtubules to the centrosome. Involved in the biogenesis of cilia.

### 组织特异性

Expressed in blood, bone marrow, breast, lymph node, ovary and thyroid.

### 疾病相关

Defects in PCM1 are a cause of thyroid papillary carcinoma (TPC) [MIM:188550]. TPC is a common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. Note=A chromosomal aberration involving PCM1 is found in thyroid papillary carcinomas. Translocation t(8;10)(p21.3;q11.2) with RET links the protein kinase domain of RET to the major portion of PCM1.

Note=A chromosomal aberration involving PCM1 is found in a variety of hematological malignancies including atypical chronic myeloid leukemia (atypical CML) and T-cell lymphoma. Translocation t(8;9)(p22;p24) with JAK2 links the protein kinase domain of JAK2 to the major portion of PCM1.

### 序列相似性

Belongs to the PCM1 family.

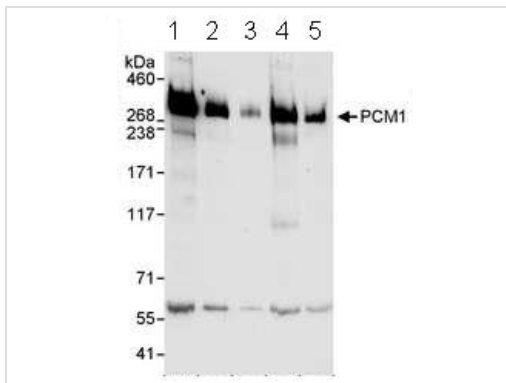
### 翻译后修饰

Phosphorylated upon DNA damage, probably by ATM or ATR.

### 细胞定位

Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Cytoplasmic granule. Localizes to cytoplasmic granules which are enriched around the centrosome. This centrosomal enrichment requires microtubules and dynein. The majority of the protein dissociates from the centrosome during metaphase and subsequently localizes to the cleavage site in telophase.

## 图片



Western blot - Anti-PCM1 antibody (ab72443)

**All lanes :** Anti-PCM1 antibody (ab72443) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

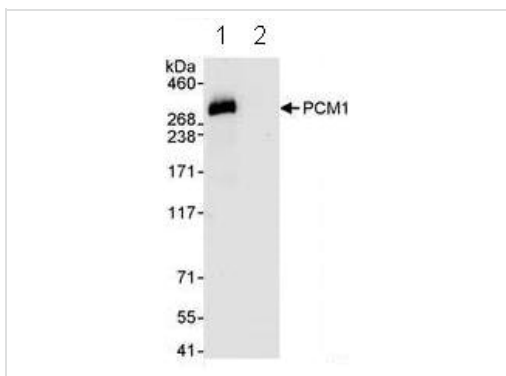
**Lane 4 :** 293T cell lysate at 50 µg

**Lane 5 :** Mouse NIH3T3 cell lysate at 50 µg

**Observed band size:** 270 kDa

**Additional bands at:** 60 kDa. We are unsure as to the identity of these extra bands.

Detection: Chemiluminescence with exposure times of 30 seconds



Immunoprecipitation - Anti-PCM1 antibody (ab72443)

Immunoprecipitation of PCM1 from 1mg HeLa whole cell lysate by 3 µg ab72443 followed by WB (20% of IP loaded):

Lane 1: PCM1 precipitate

Lane 2: Control IgG

For blotting immunoprecipitated PCM1, ab72443 was used at 1 µg/ml.

Detection: Chemiluminescence with an exposure time of 10 seconds.

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