

### Anti-53BP1 antibody ab36823

★★★★★ [12 Abreviews](#) [134 References](#) [4 图像](#)

#### 概述

产品名称	Anti-53BP1抗体
描述	兔多克隆抗体to 53BP1
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, IP
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to Human 53BP1 aa 350-450. Database link: <a href="#">Q12888</a>
阳性对照	IHC-P: Human prostate cancer tissue, mouse renal cancer tissue. WB: HeLa and mouse TCMK1 cell nuclear extract. IP: HEK293T whole cell lysate.
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: 7.00 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

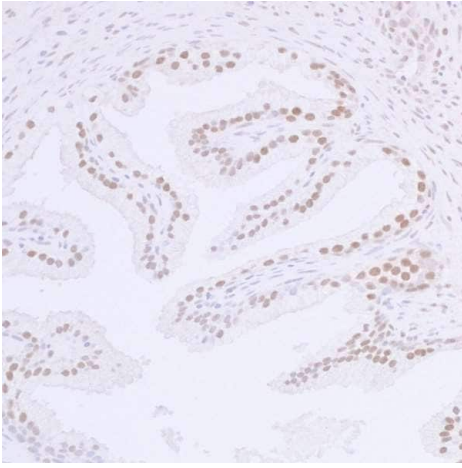
Abpromise™承诺保证使用ab36823于以下的经测试应用

“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	★★★★★ (4)	1/10000 - 1/25000. Detects a band of approximately 220 kDa (predicted molecular weight: 214 kDa).
IHC-P	★★★★★ (1)	1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.

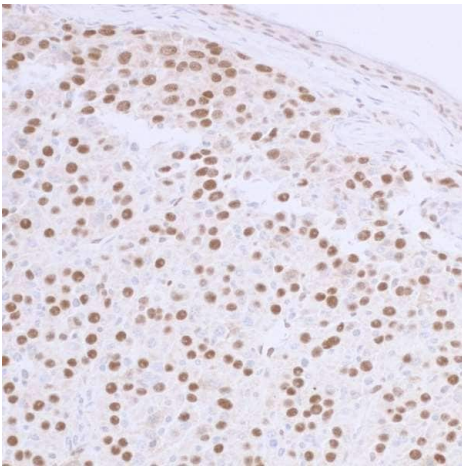
靶标	
功能	May have a role in checkpoint signaling during mitosis. Enhances TP53-mediated transcriptional activation. Plays a role in the response to DNA damage.
疾病相关	Note=A chromosomal aberration involving TP53BP1 is found in a form of myeloproliferative disorder chronic with eosinophilia. Translocation t(5;15)(q33;q22) with PDGFRB creating a TP53BP1-PDGFRB fusion protein.
序列相似性	Contains 2 BRCT domains.
翻译后修饰	Asymmetrically dimethylated on Arg residues by PRMT1. Methylation is required for DNA binding. Phosphorylated at basal level in the absence of DNA damage. Hyper-phosphorylated in an ATM-dependent manner in response to DNA damage induced by ionizing radiation. Hyper-phosphorylated in an ATR-dependent manner in response to DNA damage induced by UV irradiation.
细胞定位	Nucleus. Chromosome > centromere > kinetochore. Associated with kinetochores. Both nuclear and cytoplasmic in some cells. Recruited to sites of DNA damage, such as double strand breaks. Methylation of histone H4 at 'Lys-20' is required for efficient localization to double strand breaks.

图片



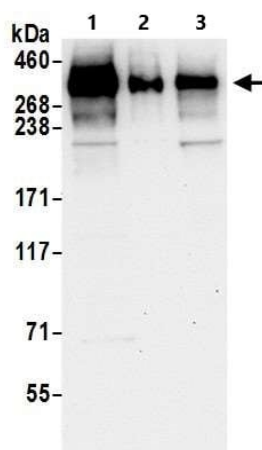
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human prostate cancer tissue, labeling CTCF with ab36823 at a 1/5000 dilution. Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-53BP1 antibody (ab36823)



Immunohistochemical analysis of formalin-fixed, paraffin-embedded mouse renal cancer tissue, labeling CTCF with ab36823 at a 1/1000 dilution. Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-53BP1 antibody (ab36823)



**All lanes :** Anti-53BP1 antibody (ab36823) at 0.04 µg/ml

**Lane 1 :** HeLa cell nuclear extract at 50 µg

**Lane 2 :** HeLa cell nuclear extract at 5 µg

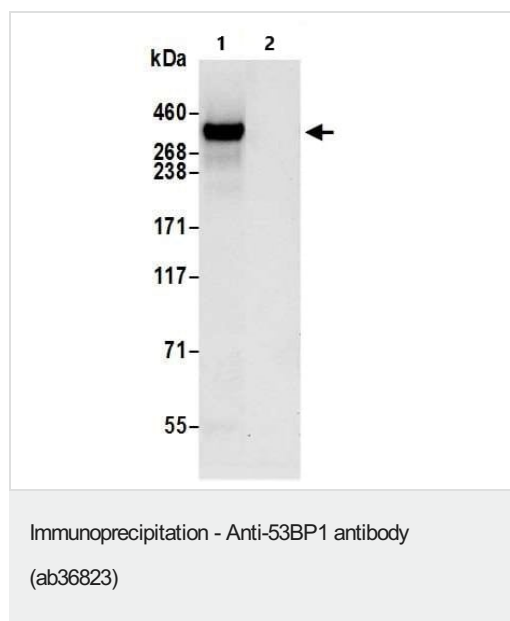
**Lane 3 :** TCMK1 mouse cell nuclear extract at 15 µg

**Predicted band size:** 214 kDa

**Exposure time:** 30 seconds

**Detection:** Chemiluminescence.

Western blot - Anti-53BP1 antibody (ab36823)



53BP1 was immunoprecipitated from 1 mg HEK293T whole cell lysate with ab36823 at 6 µg per reaction. Western blot was performed on the immunoprecipitate using **ab243868** at a 1/1000 dilution.

**Lane 1:** ab36823 IP in HEK293T whole cell lysate.

**Lane 2:** Control IgG in HEK293T whole cell lysate.

**Detection:** Chemiluminescence.

**Exposure time:** 10 seconds.

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

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