

Anti-CDK1 (phospho T161) antibody ab47329

★★★★★ [2 Abreviews](#) [6 References](#) [2 图像](#)

概述

产品名称	Anti-CDK1 (phospho T161)抗体
描述	兔多克隆抗体to CDK1 (phospho T161)
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human CDK1 aa 100-200 (phospho T161). Database link: P06493
阳性对照	WB: COLO, K362 cell extract. IHC-P: Human breast carcinoma tissue.
常规说明	<p>This antibody detects CDC2 only when phosphorylated at Threonine 161.</p> <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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
纯度	Immunogen affinity purified
纯化说明	The antibody was affinity-purified using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Primary antibody说明	This antibody detects CDC2 only when phosphorylated at Threonine 161.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab47329于以下的经测试应用

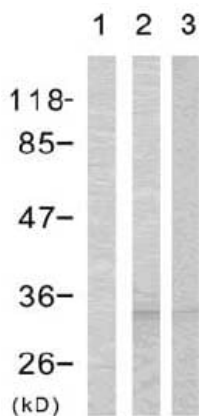
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	1/500 - 1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).
IHC-P		Use at an assay dependent concentration.

靶标

功能	Plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. p34 is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II.
组织特异性	Isoform 2 is found in breast cancer tissues.
序列相似性	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.
细胞定位	Nucleus.
形式	CDK1 can be located to the Nucleus, cytoplasm and Mithochondria. It's cytoplasmic during interphase and reversibly translocated from cytoplasm to the nucleus when phosphorylated before G2-M transition when associated with cyclin-B1. Accumulates in mitochondria in G2-arrested cells upon DNA-damage.

图片



Western blot - Anti-CDK1 (phospho T161) antibody (ab47329)

All lanes : Anti-CDK1 (phospho T161) antibody (ab47329) at 1/500 dilution

Lane 1 : COLO cell extract preincubated with immunogenic phospho-peptide. with phosphopeptide at 1 µg/ml

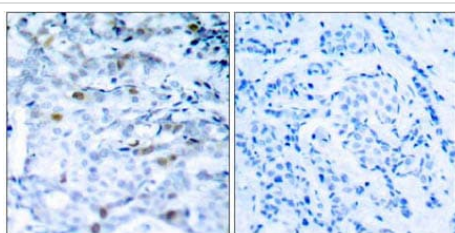
Lane 2 : COLO cell extract, untreated.

Lane 3 : K362 cell extract

Lysates/proteins at 30 µg per lane.

Predicted band size: 34 kDa

Observed band size: 34 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDK1 (phospho T161) antibody (ab47329)

ab47329 staining human breast carcinoma tissue by IHC-P (left hand panel). The right hand panel shows staining in the presence of synthesized phospho-peptide using Alkaline phosphatase Goat anti rabbit IgG (H+L) secondary antibody.

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