


Product datasheet

Anti-CDK1 (phospho T14) antibody ab58509

1 References 3 图像

概述

产品名称	Anti-CDK1 (phospho T14)抗体
描述	兔多克隆抗体to CDK1 (phospho T14)
特异性	Detects endogenous levels of CDC2 only when phosphorylated at threonine 14.
经测试应用	适用于: WB, ELISA, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic phosphopeptide derived from human Cdc2 around the phosphorylation site of threonine 14 (E-G-T ^P -Y-G).
常规说明	Stable at -20°C for 1 year

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	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab58509** in the following tested applications.

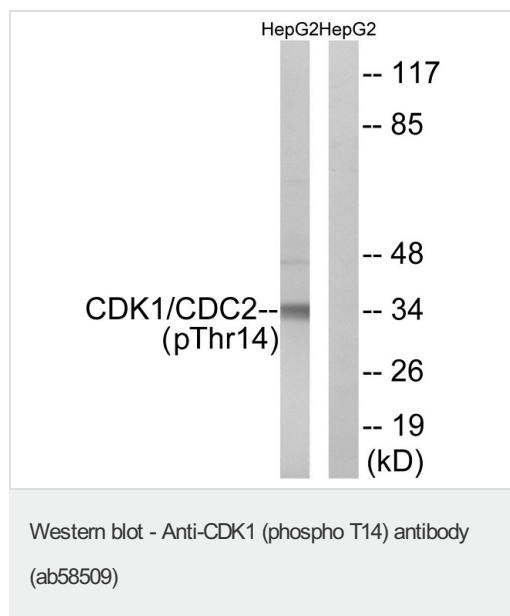
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 32 kDa (predicted molecular weight: 34 kDa).
ELISA		1/5000.
ICC/IF		1/100 - 1/500.

靶标

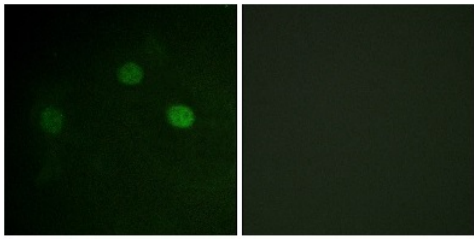
功能	Plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. p34 is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II.
组织特异性	Isoform 2 is found in breast cancer tissues.
序列相似性	Belongs 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 Mitochondria. 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



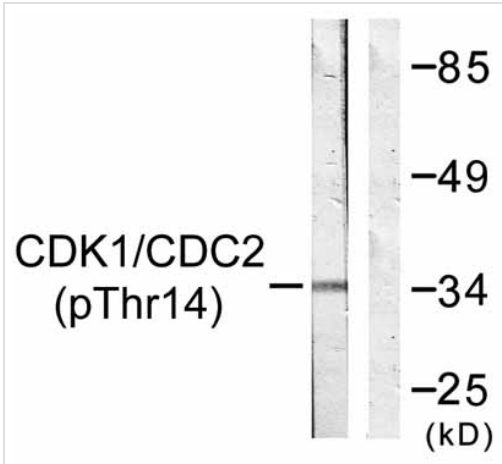
Predicted band size : 34 kDa

Western blot analysis of lysates from HepG2 cells treated with Forskolin 40nM for 30 mins, using CDK1 (phospho T14) Antibody (ab58509). The lane on the right is blocked with the phospho peptide.



Immunofluorescence analysis of COS7 cells using ab58509 at 1/1000 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-CDK1 (phospho T14) antibody (ab58509)



All lanes : Anti-CDK1 (phospho T14) antibody (ab58509) at 1/500 dilution

Lane 1 : Extracts from HepG2 cells, treated with Forskolin (40nM, 30mins)

Lane 2 : Extracts from HepG2 cells, treated with Forskolin (40nM, 30mins), plus immunising peptide

Predicted band size : 34 kDa

Western blot - Cdc2 (phospho T14) antibody (ab58509)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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