




Anti-Casein Kinase 1 delta/CSNK1D antibody ab48031

★★★★★ [1 Abreviews](#) [3 References](#) [2 图像](#)

概述

产品名称	Anti-Casein Kinase 1 delta/CSNK1D抗体
描述	山羊多克隆抗体to Casein Kinase 1 delta/CSNK1D
宿主	Goat
特异性	This antibody is expected to recognise both reported isoforms of Casein Kinase 1 delta/CSNK1D.
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Dog, Chimpanzee, Macaque monkey 
免疫原	Synthetic peptide corresponding to Human Casein Kinase 1 delta/CSNK1D aa 310-324 (internal sequence). Sequence: DREERLRHSRNPATR Database link: P48730 <div>  Run BLAST with  Run BLAST with </div>
阳性对照	WB: HEK 293 cell lysate. ICC/UF U251 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&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: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA

纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab48031于以下的经测试应用

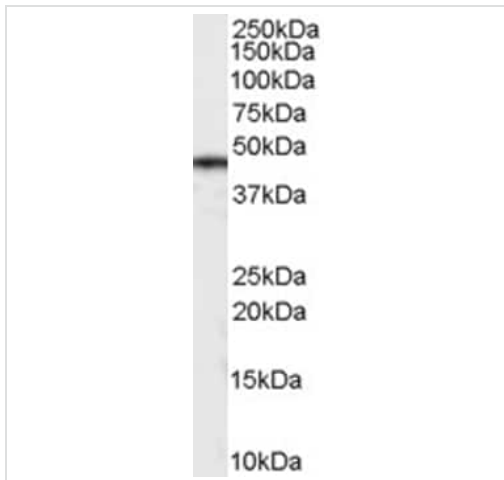
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 48 kDa (predicted molecular weight: 47 kDa). 1 hour primary incubation is recommended for this product.
ICC/IF		Use a concentration of 10 µg/ml.

靶标

功能	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Central component of the circadian clock. May act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. Retains PER1 in the cytoplasm.
组织特异性	Expressed in all tissues examined, including brain, heart, lung, liver, pancreas, kidney, placenta and skeletal muscle. In blood, highly expressed in hemopoietic cells and mature granulocytes. Also found in monocytes and lymphocytes.
疾病相关	Defects in CSNK1D are a cause of familial advanced sleep-phase syndrome (FASPS) [MIM:604348]. FASPS is characterized by very early sleep onset and offset. Individuals are 'morning larks' with a 4 hours advance of the sleep, temperature and melatonin rhythms.
序列相似性	Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily. Contains 1 protein kinase domain.
翻译后修饰	Autophosphorylated on serine and threonine residues.
细胞定位	Cytoplasm. Nucleus.

图片



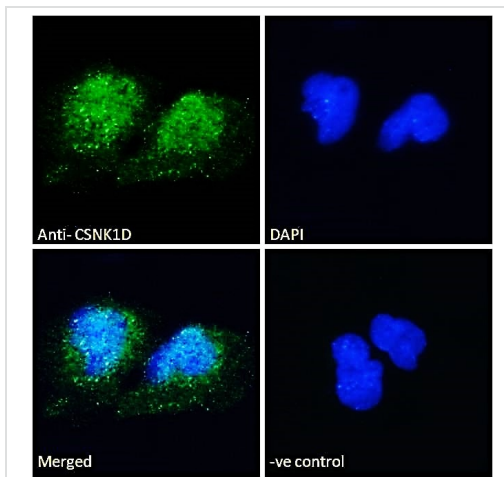
Western blot - Anti-Casein Kinase 1 delta/CSNK1D antibody (ab48031)

Anti-Casein Kinase 1 delta/CSNK1D antibody (ab48031) at 0.3 µg/ml + HEK 293 cell lysate in RIPA buffer at 35 µg

Predicted band size: 47 kDa

Observed band size: 48 kDa

Primary incubation was 1 hour. Detected using chemiluminescence.



Immunocytochemistry/ Immunofluorescence - Anti-Casein Kinase 1 delta/CSNK1D antibody (ab48031)

Immunocytochemistry/Immunofluorescence analysis of U251 cells labelling Casein Kinase 1 delta/CSNK1D with ab48031 at 10 µg/ml. Cells were paraformaldehyde fixed and permeabilized with 0.15% triton. Primary antibody incubation was for 1 hour followed by incubation with an Alexa Fluor® 488-conjugated secondary antibody at 2 µg/ml. DAPI nuclear counterstain was used.

Negative control: Unimmunized goat IgG (10 µg/ml) followed by an Alexa Fluor® 488-conjugated secondary antibody (2 µg/ml).

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

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