



Anti-Cdc20 antibody ab183479

15 References **3 图像**

概述

产品名称	Anti-Cdc20抗体
描述	兔多克隆抗体to Cdc20
宿主	Rabbit
经测试应用	适用于: WB, IP, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human Cdc20 aa 1-300. Database link: Q12834
	 Run BLAST with  Run BLAST with
阳性对照	NIH 3T3 and INS1 cell lysates; U2OS cells transfected with Cdc20.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab183479于以下的经测试应用

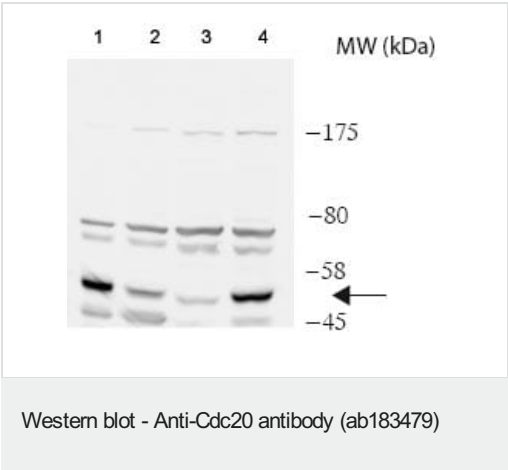
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000. Predicted molecular weight: 55 kDa.
IP		Use at an assay dependent concentration.
ICC/IF		1/1000.

靶标

功能	Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1. In metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates.
通路	Protein modification; protein ubiquitination.
序列相似性	Belongs to the WD repeat CDC20/Fizzy family. Contains 7 WD repeats.
发展阶段	Synthesis is initiated at G1/S, protein level peaks in M phase and protein is abruptly degraded at M/G1 transition.
翻译后修饰	Phosphorylated during mitosis, probably by maturation promoting factor (MPF). Phosphorylated by BUB1 at Ser-41; Ser-72; Ser-92; Ser-153; Thr-157 and Ser-161. Ubiquitinated and degraded by the proteasome during spindle assembly checkpoint. Deubiquitinated by USP44, leading to stabilize the MAD2L1-CDC20-APC/C ternary complex, thereby preventing premature activation of the APC/C.

图片



All lanes : Anti-Cdc20 antibody (ab183479) at 1/2000 dilution

Lane 1 : U2OS cells transfected with control si RNA

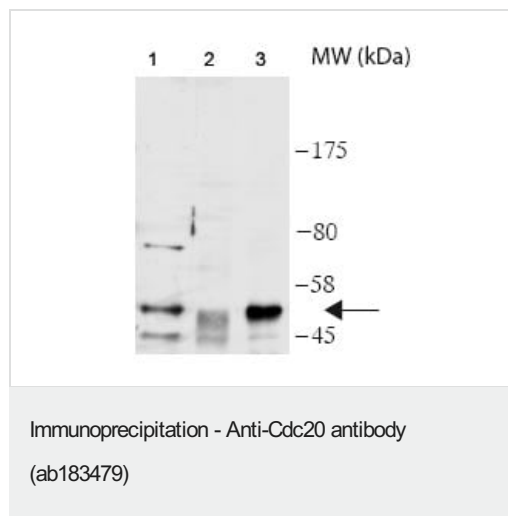
Lane 2 : U2OS cells transfected with Cdc20 si RNA

Lane 3 : Rat INS1 cell lysate

Lane 4 : Mouse NIH 3T3 cell lysate

Lysates/proteins at 40 µg per lane.

Predicted band size: 55 kDa

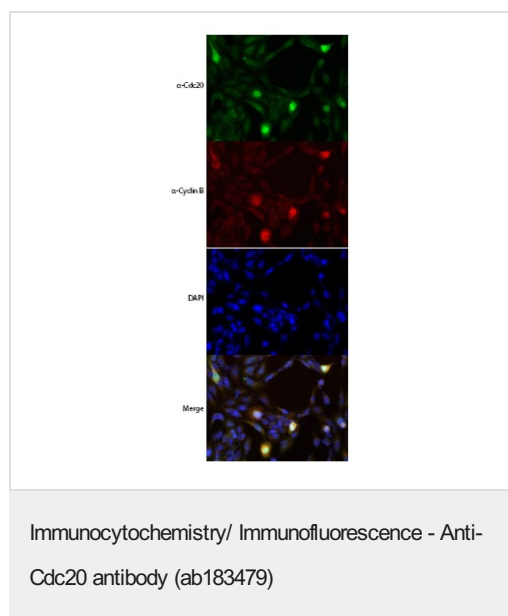


Western blot analysis of Immunoprecipitation using U2OS cells

Lane 1: Input.

Lane 2: control serum.

Lane 3: ab183479.



Immunofluorescent analysis of U2OS cells showing labeling of Cdc20 with ab183479 at 1/1000 dilution. Anti-Cyclin B labeling is seen in red and DAPI counterstain in blue. Lower image is merged.

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