

Anti-MCM7/PRL antibody ab96849

1 References **5 图像**

概述

产品名称	Anti-MCM7/PRL 抗体
描述	兔多克隆抗体 to MCM7/PRL
宿主	Rabbit
经测试应用	适用于: ChIP, WB, IHC-P, ICC/IF, IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Zebrafish 
免疫原	Recombinant fragment corresponding to Human MCM7/PRL aa 14-275. Database link: P33993
阳性对照	WB: H1299 cell lysate. IHC-P: Cal27 Xenograft tissue. ICC/IF: HeLa cells. IP: HeLa cells. ChIP: HeLa 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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
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ab96849于以下的经测试应用

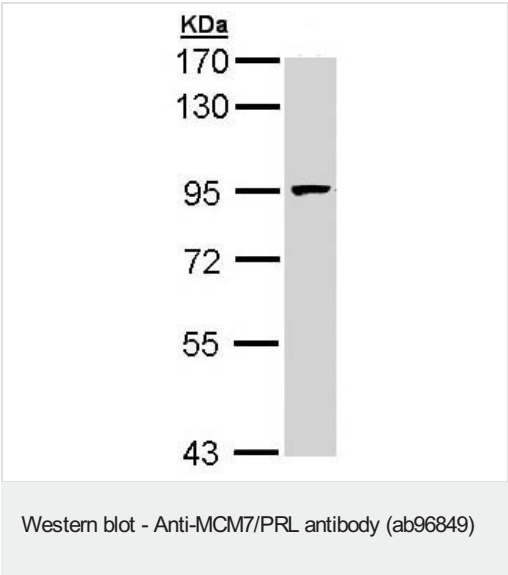
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ChIP		Use at an assay dependent concentration.
WB		1/500 - 1/3000. Predicted molecular weight: 81 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.
IP		1/100 - 1/250.

靶标

功能	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for S-phase checkpoint activation upon UV-induced damage.
序列相似性	Belongs to the MCM family. Contains 1 MCM domain.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus.

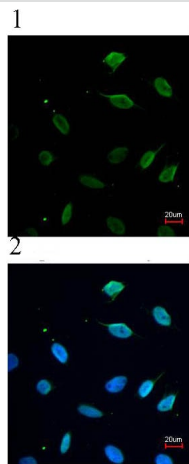
图片



Anti-MCM7/PRL antibody (ab96849) at 1/1000 dilution + H1299 whole cell lysate at 30 µg

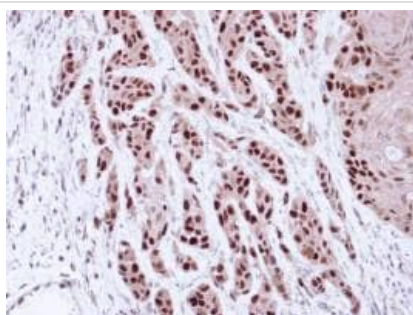
Predicted band size: 81 kDa

7.5% SDS PAGE



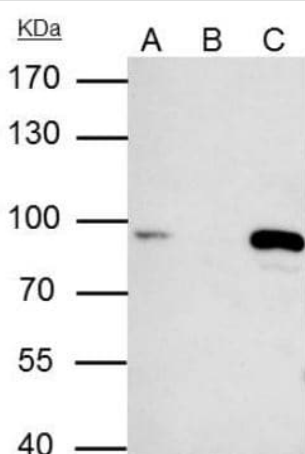
Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells using ab96849 at 1/200 dilution (1). Merged with DNA probe (2).

Immunocytochemistry/ Immunofluorescence - Anti-MCM7/PRL antibody (ab96849)



Immunohistochemical analysis of paraffin-embedded Cal27 Xenograft using ab96849 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCM7/PRL antibody (ab96849)



MCM7 was immunoprecipitated from 40 µg of HeLa whole cell lysate with ab96849 at 1/1000 dilution. EasyBlot anti-rabbit IgG, was used as secondary antibody.

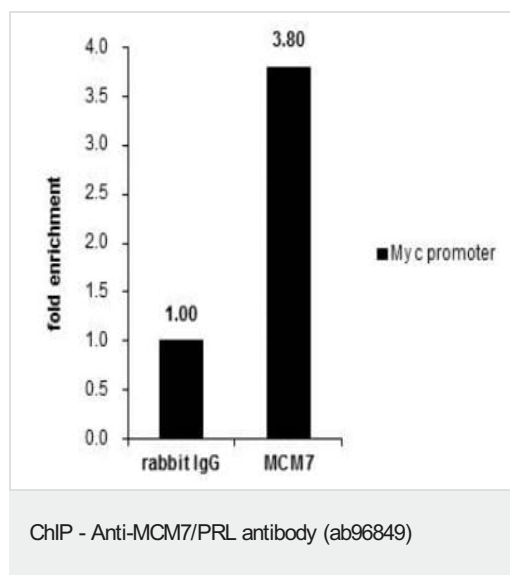
Lane 1: 40 µg HeLa whole cell extract (Input).

Lane 2: Control with 4 µg of preimmune Rabbit IgG.

Lane 3: Immunoprecipitation of MCM7 protein by 4 µg MCM7 antibody [N2C2], Internal.

7.5 % SDS-PAGE

Immunoprecipitation - Anti-MCM7/PRL antibody (ab96849)



Cross-linked ChIP was performed with HeLa chromatin extract and 5 µg of either control rabbit IgG or anti-MCM7 antibody. The precipitated DNA was detected by PCR with primer set targeting to Myc promoter.

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