

Anti-MCM2 (phospho S40 + S41) antibody ab84391

2 图像

概述

产品名称	Anti-MCM2 (phospho S40 + S41)抗体
描述	兔多克隆抗体to MCM2 (phospho S40 + S41)
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis, Platypus 
免疫原	Synthetic peptide corresponding to Human MCM2 (phospho S40 + S41).
阳性对照	Human colon adenocarcinoma and mouse squamous cell carcinoma tissue
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: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab84391 is affinity purified using an epitope specific to MCM2 (phospho S40 + S41) immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab84391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
IHC-P		

应用说明

IHC-P: 1/100 - 1/500.
Epitope exposure with citrate buffer will enhance staining.
Likely to work with frozen sections

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

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 the entry in S phase and for cell division.

序列相似性

Belongs to the MCM family.
Contains 1 MCM domain.

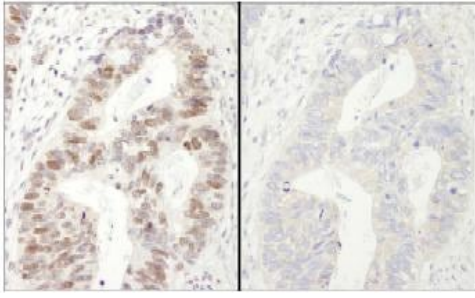
翻译后修饰

Phosphorylated on Ser-108 by ATR in proliferating cells. Ser-108 proliferation is increased by genotoxic agents. Ser-40 is mediated by the CDC7-DBF4 and CDC7-DBF4B complexes, while Ser-53 phosphorylation is only mediated by the CDC7-DBF4 complex. Phosphorylation by the CDC7-DBF4 complex during G1/S phase is required for the initiation of DNA replication.

细胞定位

Nucleus.

图片



1

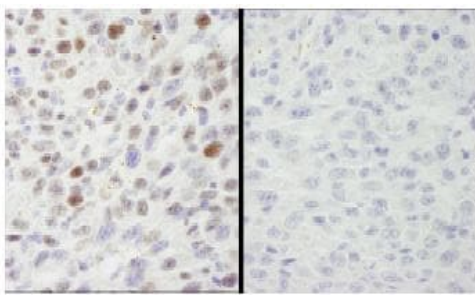
2

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCM2 (phospho S40 + S41) antibody (ab84391)

ab84391, at a 1/250 dilution, staining MCM2 (phospho S40 + S41) in formalin fixed, paraffin embedded human colon adenocarcinoma tissue by Immunohistochemistry.

- 1) Mock phosphatase treated section
- 2) Calf intestinal phosphatase-treated section

Detection: DAB staining.



1

2

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCM2 (phospho S40 + S41) antibody (ab84391)

ab84391, at a 1/250 dilution, staining MCM2 (phospho S40 + S41) in formalin fixed, paraffin embedded mouse squamous cell carcinoma tissue by Immunohistochemistry.

- 1) Mock phosphatase treated section
- 2) Calf intestinal phosphatase-treated section

Detection: DAB staining.

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

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