


Product datasheet

Anti-MCM2 (phospho S40 + S41) antibody ab84391

画像数 2

製品の概要

製品名	Anti-MCM2 (phospho S40 + S41) antibody
製品の詳細	Rabbit polyclonal to MCM2 (phospho S40 + S41)
由来種	Rabbit
アプリケーション	適用あり: IHC-P
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis, Platypus 
免疫原	Synthetic di-phosphorylated peptide corresponding to a sequence from human MCM2 surrounding Serines 40 and 41 (NP_004517.2).
ポジティブ・コントロール	Human colon adenocarcinoma and mouse squamous cell carcinoma tissue

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium Azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
特記事項(精製)	ab84391 is affinity purified using an epitope specific to MCM2 (phospho S40 + S41) immobilized on solid support.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab84391** in the following tested applications.

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

IHC-P

## 追加情報

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.

## ターゲット情報

## 機能

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.

## 配列類似性

Belongs to the MCM family.

Contains 1 MCM domain.

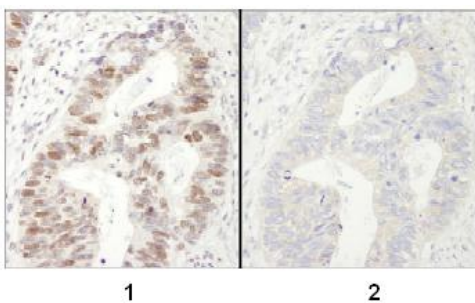
## 翻訳後修飾

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.

## 細胞内局在

Nucleus.

## 画像



ab84391, at a 1/250 dilution, staining MCM2

(phospho S40 + S41) in formalin fixed,

paraffin embedded human colon

adenocarcinoma tissue by

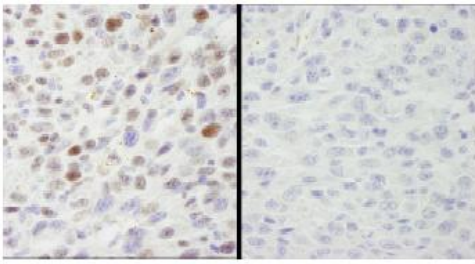
Immunohistochemistry.

1) Mock phosphatase treated section

2) Calf intestinal phosphatase-treated section

Detection: DAB staining.

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



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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.

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

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

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