

Product datasheet

Anti-MCM3 antibody ab80456

2 图像

概述

产品名称	Anti-MCM3抗体
描述	兔多克隆抗体to MCM3
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ELISA
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog
免疫原	Synthetic peptide: LVQYAYFKKV LEKEKKRKKR SEDESETEDE EEKSQEDQEQ KRKRTRQP , corresponding to C terminal amino acids 649-698 of Human MCM3 Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	721_B cell lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab80456** in the following tested applications.

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

应用	Ab 评论	说明
IHC-P		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 39, 55, 90 kDa (predicted molecular weight: 90 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ELISA		Use at an assay dependent concentration. ELISA titre using peptide based assay 1/312500.

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 DNA replication and cell proliferation.

序列相似性

Belongs to the MCM family.
Contains 1 MCM domain.

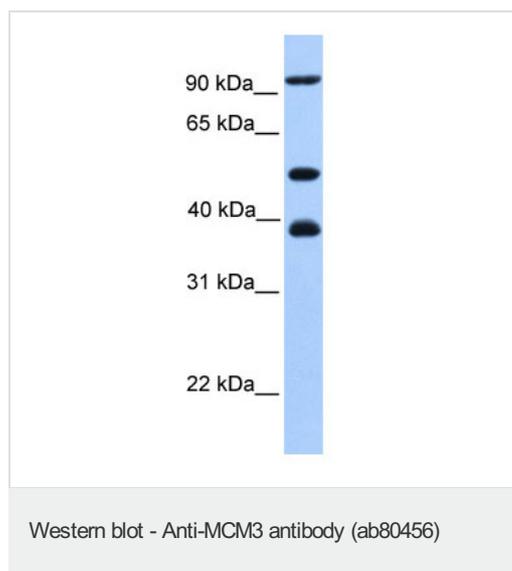
翻译后修饰

Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Nucleus.

图片



Anti-MCM3 antibody (ab80456) at 1 µg/ml + 721_B cell lysate at 10 µg

Secondary

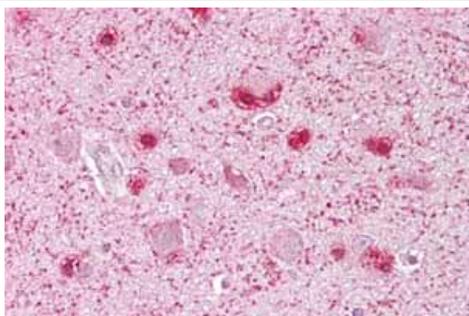
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 90 kDa

Observed band size: 90 kDa

Additional bands at: 39 kDa, 55 kDa. We are unsure as to the identity of these extra bands.

Gel concentration 12%



Immunohistochemistry of Brain, cortex tissue at an antibody concentration of 5µg/ml using anti-MCM3 antibody (ab80456)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCM3 antibody (ab80456)

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