


Anti-MCAK antibody ab71706

1 References **3 图像**

概述

产品名称	Anti-MCAK抗体
描述	兔多克隆抗体to MCAK
宿主	Rabbit
特异性	Does not react with human MCAK.
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Mouse MCAK. A region between residue 50 and 100 of mouse MCAK. GenBank: NP_608301.2 Database link: Q922S8
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: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
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ab71706于以下的经测试应用

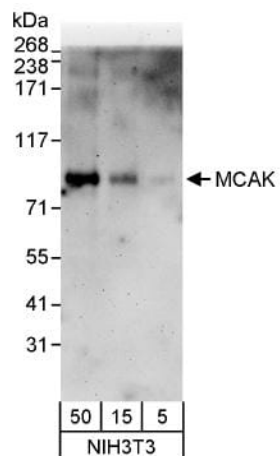
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 81 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

靶标

功能	Promotes ATP-dependent removal of tubulin dimers from microtubules. Regulates the turnover of microtubules at the kinetochore and functions in chromosome segregation during mitosis.
组织特异性	Expressed at high levels in thymus and testis, at low levels in small intestine, the mucosal lining of colon, and placenta, and at very low levels in spleen and ovary; expression is not detected in prostate, peripheral blood Leukocytes, heart, brain, lung, liver, skeletal muscle, kidney or pancreas. Isoform 2 is testis-specific.
序列相似性	Belongs to the kinesin-like protein family. MCAK/KIF2 subfamily. Contains 1 kinesin-motor domain.
发展阶段	Isoform 2 is expressed in fetal testis.
结构域	The microtubule tip localization signal (MtLS) motif; mediates interaction with MAPRE1 and targeting to the growing microtubule plus ends.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylation by STK12, regulates association with centromeres and kinetochores and the microtubule depolymerization activity.
细胞定位	Cytoplasm > cytoskeleton. Nucleus. Chromosome > centromere. Chromosome > centromere > kinetochore. Associates with the microtubule network at the growing distal tip (the plus-end) of microtubules, probably through interaction with MTUS2/TIP150 and MAPRE1 (By similarity). Centromeric localization requires the presence of BUB1 and SGOL2.

图片



Western blot - Anti-MCAK antibody (ab71706)

All lanes : Anti-MCAK antibody (ab71706) at 0.1 µg/ml

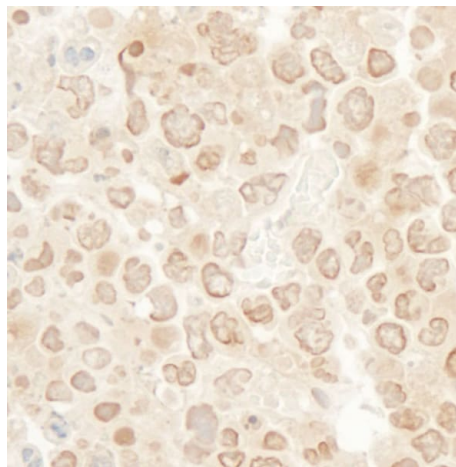
Lane 1 : NIH3T3 whole cell lysate at 50 µg/ml

Lane 2 : NIH3T3 whole cell lysate at 15 µg/ml

Lane 3 : NIH3T3 whole cell lysate at 5 µg/ml

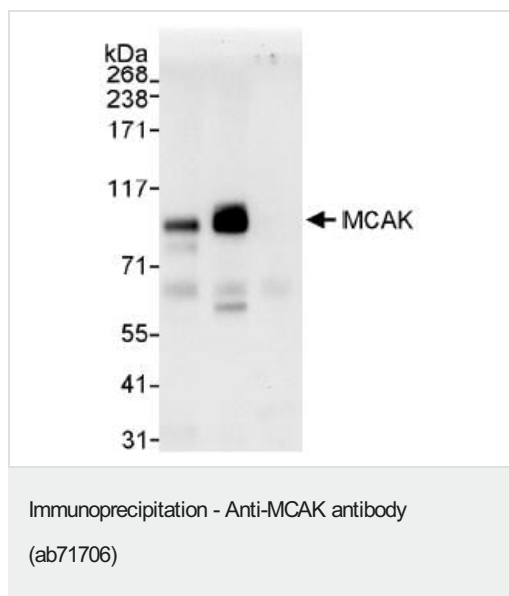
Predicted band size: 81 kDa

Exposure time: 3 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCAK antibody (ab71706)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse hybridoma tumor tissue labelling MCAK with ab71706 at 1/1000 (1µg/ml). Detection: DAB.



MCAK antibody (ab71706) recognizing MCAK protein in NIH3T3 whole cell lysate (1 mg, 20% of IP loaded).

Lane 1: MCAK antibody (ab71706) used for IP at 3 µg/mg lysate and for WB at 1.0 µg/ml.

Lane 2: Non-Abcam MCAK antibody, specific for a downstream epitope of MCAK.

Lane 3: Control IgG.

Detection by chemiluminescence with exposure time of 30 seconds.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors