

Anti-MCAK antibody ab70536

2 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  |
| 经测试应用 | 适用于: IHC-P, IP  |
| 种属反应性 | 与反应: Human  |
| 免疫原   | Synthetic peptide corresponding to Human MCAK.<br>Database link: <a href="#">Q99661</a>   |
| 阳性对照  | IHC: human skin carcinoma and breast carcinoma tissues IP: HeLa cell lysates  |
| 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&amp;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<br>Preservative: 0.09% Sodium azide<br>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    |   |

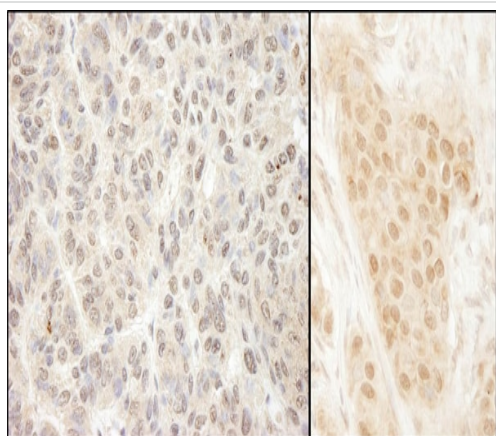
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用    | Ab评论 | 说明   |
|-------|------|--|
| IHC-P |      | 1/500 - 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| IP    |      | Use at an assay dependent concentration.   |

## 靶标

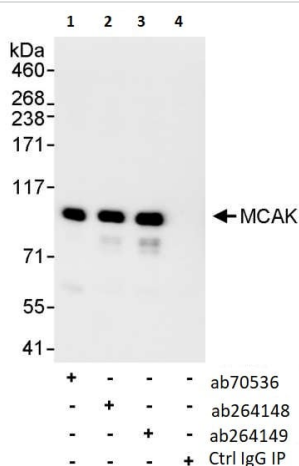
|       |   |
|-------|---|
| 功能    | Promotes ATP-dependent removal of tubulin dimers from microtubules. Regulates the turnover of microtubules at the kinetochore and functions in chromosome segregation during mitosis.   |
| 组织特异性 | Expressed at high levels in thymus and testis, at low levels in small 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.<br>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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCAK antibody (ab70536)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skin carcinoma (left) and breast carcinoma (right) tissues labelling MCAK with ab70536 at 1/1000 (1µg/ml). Detection: DAB.



Immunoprecipitation - Anti-MCAK antibody (ab70536)

MCAK was immunoprecipitated from 1mg of HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab70536, **ab264148** and **ab264149** at 3 µg per reaction. Western blot was performed from the immunoprecipitate using **ab264148** at 1 µg/ml.

**Lane 1:** ab70536 IP in HeLa whole cell lysate.

**Lane 2:** **ab264148** IP in HeLa whole cell lysate.

**Lane 3:** **ab264149** IP in HeLa whole cell lysate.

**Lane 4:** Control IgG.

Exposure time: 10 seconds.

Detection: Chemiluminescence

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

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