


Anti-MCAK antibody ab71706

1 References **画像数 3**

製品の概要

製品名	Anti-MCAK antibody
製品の詳細	Rabbit polyclonal to MCAK
由来種	Rabbit
特異性	Does not react with human MCAK.
アプリケーション	適用あり: WB, IP, IHC-P
種交差性	交差種: Mouse 交差が予測される動物種: 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
特記事項	<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>

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	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
精製度	Immunogen affinity purified
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

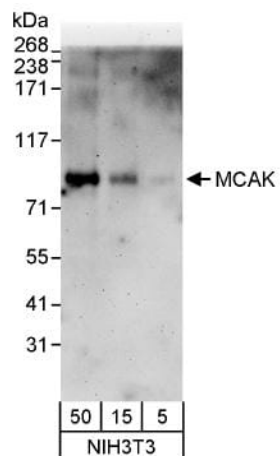
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab71706の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	Promotes ATP-dependent removal of tubulin dimers from microtubules. Regulates the turnover of microtubules at the kinetochore and functions in chromosome segregation during mitosis.
組織特異性	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.
配列類似性	Belongs to the kinesin-like protein family. MCAK/KIF2 subfamily. Contains 1 kinesin-motor domain.
発生段階	Isoform 2 is expressed in fetal testis.
ドメイン	The microtubule tip localization signal (MtLS) motif; mediates interaction with MAPRE1 and targeting to the growing microtubule plus ends.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylation by STK12, regulates association with centromeres and kinetochores and the microtubule depolymerization activity.
細胞内局在	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.

画像



Western blot - Anti-MCAK antibody (ab71706)

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

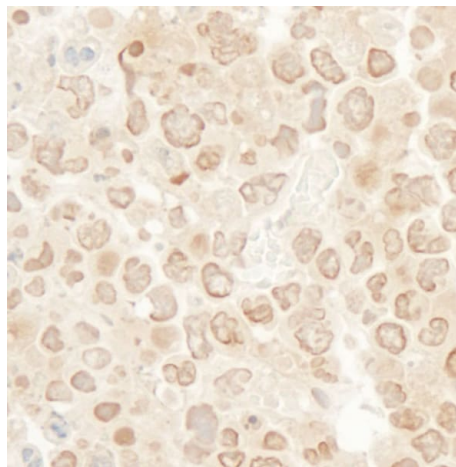
Lane 1 : NIH3T3 whole cell lysate at 50 µg/ml

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

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

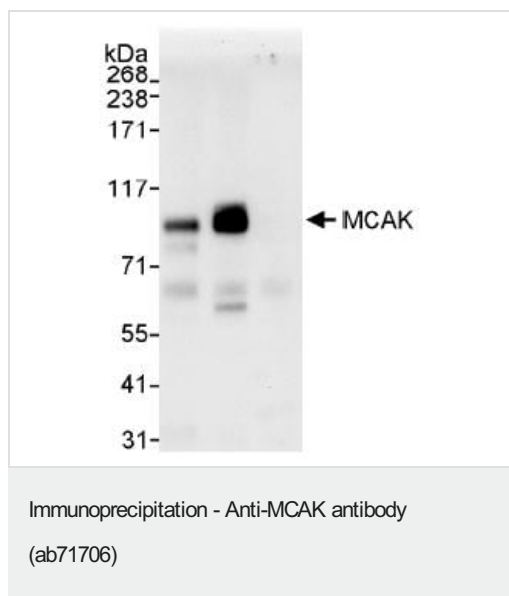
Predicted band size: 81 kDa

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.

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