abcam

Product datasheet

Anti-p60 katanin antibody [EPR5071] ab111881

重组 RabMAb

<u>4 References</u> 3 图像

概述			
产 品名称	Anti-p60 katanin 抗体 [EPR5071]		
描述	兔单克隆抗体[EPR5071] to p60 katanin		
宿主	Rabbit		
经 测 试应 用	适用于: WB, ICC/IF 不适用于: Flow Cyt,IHC-P or IP		
种属反应性	与反应: Human		
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.		
阳性 对照	WB: HeLa and HepG2 cell lysates. ICC/IF: HeLa cell lysate.		
常规说明	 This product is a recombinant monoclonal antibody, which offers several advantages including: High batch-to-batch consistency and reproducibility Improved sensitivity and specificity Long-term security of supply Animal-free production For more information <u>see here</u>. Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents</u>. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. 		
性能			
形式			
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.		
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant		

纯度 Protein A purified

单**克隆**

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应用

The Abpromise guarantee Abpromise ™承诺保证使用ab111881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		1/1000 - 1/10000. Predicted molecular weight: 56 kDa.
ICC/IF		1/100.

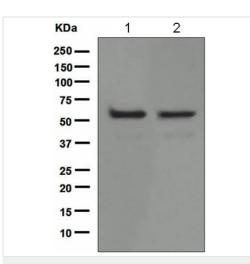
应**用**说明

Is unsuitable for Flow Cyt,IHC-P or IP.

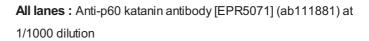
靶标

功能	Severs microtubules in vitro in an ATP-dependent manner. This activity may promote rapid reorganization of cellular microtubule arrays, such as during disassembly of interphase microtubules at the G2-M transition. May also be required for microtubule release from the centrosome after nucleation. In mitotic spindles this could allow depolymerization of the microtubule end proximal to the centrosome, and subsequent poleward microtubule flux. In neurons, microtubule release within the cell body may allow their subsequent transport into neuronal processes by microtubule dependent motor proteins. This transport is required for axonal growth.
序列相似性	Belongs to the AAA ATPase family.
结 构域	The N-terminus is sufficient for interaction with microtubules, although high affinity binding requires an intact C-terminal domain and ATP, which promotes oligomerization.
细 胞定位	Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > spindle pole. Predominantly cytoplasmic. Also localized to the interphase centrosome. Enhanced recruitment to the mitotic spindle poles requires microtubules and interaction with KATNB1.

图片



Western blot - Anti-p60 katanin antibody [EPR5071] (ab111881)



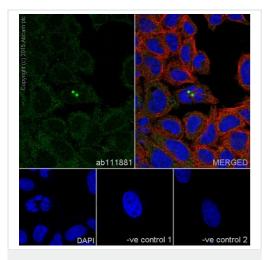
Lane 1 : HeLa cell lysate Lane 2 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 56 kDa



Immunocytochemistry/ Immunofluorescence - Antip60 katanin antibody [EPR5071] (ab111881) Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling p60 katanin with ab111881 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green).

Confocal image showing staining on the centrosome of Hela cells.

The nuclear counterstain is DAPI (blue).

Tubulin is detected with <u>ab7291</u> (anti-Tubulin mouse mAb) at 1/1000 dilution and <u>ab150120</u> (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution (red).

The negative controls are as follows:-

-ve control 1: ab111881 at 1/100 dilution followed by <u>ab150120</u> (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution.

-ve control 2: <u>ab7291</u> (anti-Tubulin mouse mAb) at 1/1000 dilution followed by <u>ab150077</u> (Alexa Fluor®488 Goat Anti-Rabbit lgG H&L) at 1/1000 dilution.



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