

Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker ab28144

重组

★★★★☆ **16 Abreviews** **85 References** 5 图像

概述

产品名称	Anti-Pericentrin抗体[mAbcam 28144] - Centrosome Marker
描述	小鼠单克隆抗体[mAbcam 28144] to Pericentrin - Centrosome Marker
宿主	Mouse
经测试应用	适用于: ICC/IF
种属反应性	与反应: Human 预测可用于: Chinese hamster  不与反应: Mouse
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: HeLa cells.
常规说明	<p>This product has switched from a hybridoma to recombinant production method on 9th September 2020.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	mAbcam 28144
骨髓瘤	Sp2/0
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab28144于以下的经测试应用

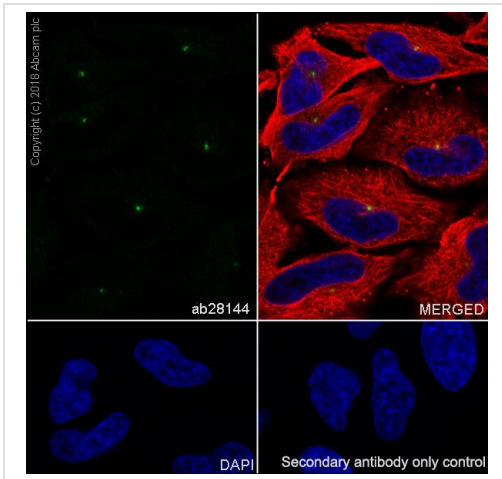
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (11)	1/50.

靶标

功能	Integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. Plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). May play an important role in preventing premature centrosome splitting during interphase by inhibiting NEK2 kinase activity at the centrosome.
组织特异性	Expressed in all tissues tested, including placenta, liver, kidney and thymus.
疾病相关	Microcephalic osteodysplastic primordial dwarfism 2
结构域	Composed of a coiled-coil central region flanked by non-helical N- and C-terminals.
细胞定位	Cytoplasm > cytoskeleton > microtubule organizing center > centrosome. Centrosomal at all stages of the cell cycle. Remains associated with centrosomes following microtubule depolymerization. Colocalized with DISC1 at the centrosome.

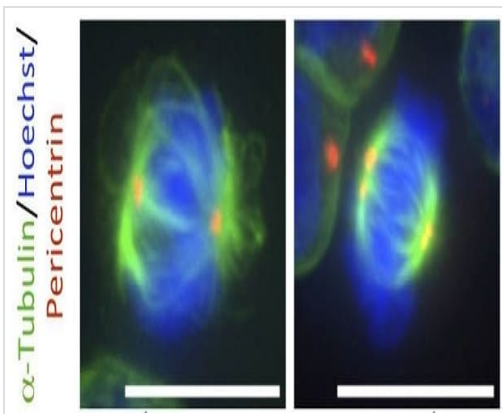
图片



Immunocytochemistry/ Immunofluorescence - Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker (ab28144)

Immunocytochemical analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Pericentrin with ab28144 at 1/50 dilution at 4°C overnight, followed by AlexaFluor® 488-conjugated Goat anti-Rabbit secondary antibody (**ab150077**) at 1/1000 dilution at RT for 30min. Alexa Fluor® 594 Anti-alpha Tubulin antibody [DM1A] (**ab195889**) was used as a counterstain at 1/200 dilution at RT for 30min. Nucleus were visualized using DAPI. The cells were 4% PFA fixed and permeabilized with 0.1% Triton X-100.

Confocal image showing centrosome staining in HeLa cells.

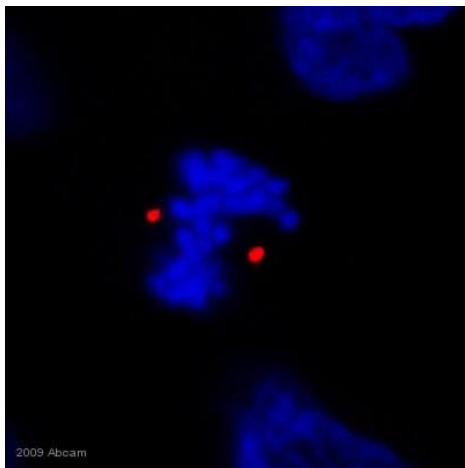


Immunocytochemistry/ Immunofluorescence - Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker (ab28144)

Immunocytochemistry/ Immunofluorescence analysis of Y79 cells labeling Pericentrin with ab28144 (red). Cells were fixed for 10 minutes at room temperature in 4% paraformaldehyde. Cells were then permeabilized using 0.2% Triton/TBS and blocked with 5% NGS in 0.1% BSA/TBS-Tween. The cells were then incubated overnight at 4°C with Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker (ab28144) at 1/1000 diluted in 0.1% BSA/TBS-Tween containing 1% NGS. Cells were then stained for Hoechst (blue) and alpha-tubulin (green).

This image was generated from the hybridoma version.

Image from Sikkema, William K. A. et al. PLoS ONE 9.6 (2014): e98838. PMC. Web. 24 Feb. 2017. doi: 10.1371/journal.pone.0098838. Fig 4F. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

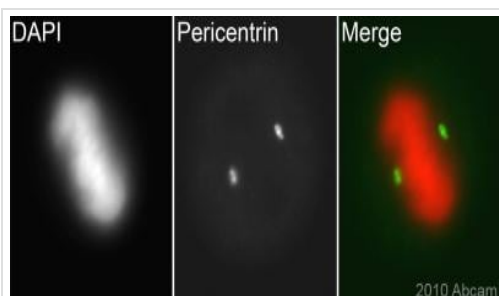


Immunocytochemistry/ Immunofluorescence - Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker (ab28144)

This image is courtesy of an anonymous abreview.

Immunocytochemistry/ Immunofluorescence analysis of A549 lung cells labeling Pericentrin with ab28144 at 1/100 dilution. Cells were fixed with formaldehyde and permeabilized with Triton X-100. The cells were blocked with 10% serum for 30 minutes at 20°C, followed by incubation with ab28144 in PBS 10% FCS for 1 hour at 20°C. A polyclonal goat anti-mouse Alexa Fluor® 594 secondary antibody was used at 1/300 dilution.

This image was generated from the hybridoma version.



Immunocytochemistry/ Immunofluorescence - Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker (ab28144)

This image is courtesy of an Abreview submitted by Dr Kirk McManus, Univ. of Manitoba/Cancer Care MCB.

Immunocytochemistry/ Immunofluorescence analysis of HeLa cells labeling Pericentrin with ab28144 at 1/200 dilution. Cells were fixed with methanol, followed by incubation with Anti-Pericentrin antibody [mAbcam 28144] - Centrosome Marker (ab28144) in PBS for 1 hour at 22°C. A polyclonal goat anti-mouse Cy3® secondary antibody was used at 1/200 dilution. Nuclear counterstained with DAPI.

This image was generated from the hybridoma version.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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