abcam

Product datasheet

Anti-NCAPH2 antibody [EPR17170] ab200659

重组 RabMAb

1 Abreviews 12 图像

概述

产品名称	Anti-NCAPH2抗体[EPR17170]
描述	兔单克隆抗体[EPR17170] to NCAPH2
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, HepG2, Jurkat, RAW 264.7 and PC-12 whole cell lysates; Mouse and rat heart lysates. IHC-P: Human tonsil, Human clear cell carcinoma of kidney, Human hepatocellular carcinoma and rat kidney tissues. ICC/IF: HeLa and Jurkat cells. IP: HeLa whole cell lysate. Flow: Jurkat (human acute T cell leukemia)
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 **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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 long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17170

同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab200659于以下的经测试应用**

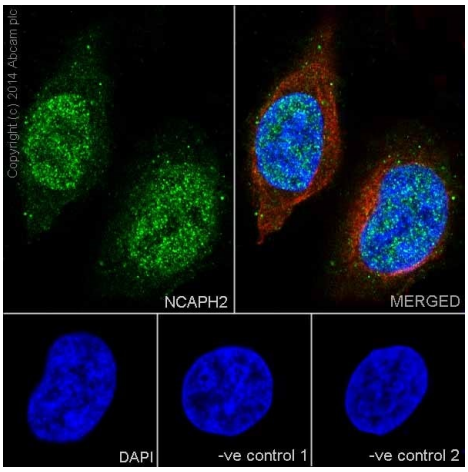
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
WB		1/1000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF	★★★★☆ (1)	1/100.
IP		1/60.

靶标

功能	Regulatory subunit of the condensin-2 complex, a complex that seems to provide chromosomes with an additional level of organization and rigidity and in establishing mitotic chromosome architecture. May play a role in lineage-specific role in T-cell development.
序列相似性	Belongs to the CND2 H2 (condensin-2 subunit 2) family.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus. Chromosome. Distributed along the arms of chromosomes assembled in vivo and in vitro.

图片



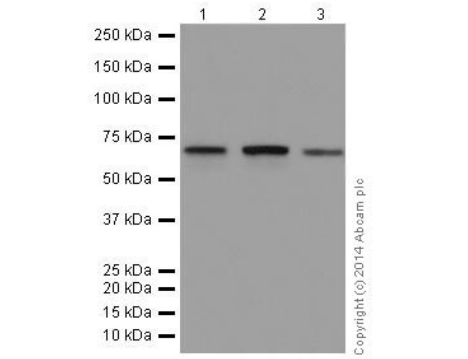
Immunocytochemistry/ Immunofluorescence - Anti-NCAPH2 antibody [EPR17170] (ab200659)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling NCAPH2 with ab200659 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green).

Nuclear and weakly cytoplasm staining on HeLa cell line is observed.

The nuclear counter stain is DAPI (blue).

Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).
The negative controls are as follows:
-ve control 1: ab200659 at 1/100 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Western blot - Anti-NCAPH2 antibody [EPR17170] (ab200659)

All lanes : Anti-NCAPH2 antibody [EPR17170] (ab200659) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate
Lane 2 : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate
Lane 3 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

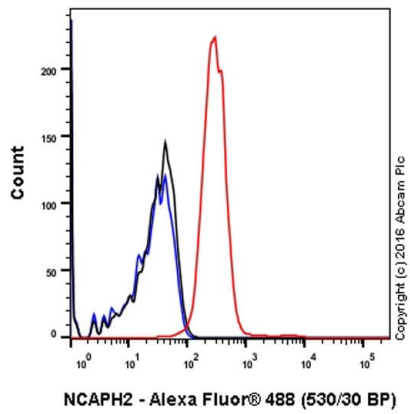
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 68 kDa
Observed band size: 68 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

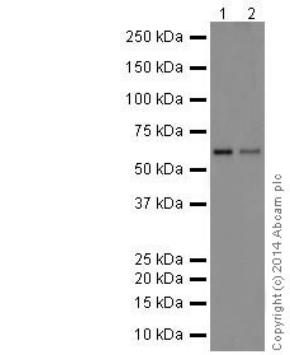


Flow Cytometry (Intracellular) - Anti-NCAPH2 antibody [EPR17170] (ab200659)

ab200659 staining NCAPH2 in Jurkat (human acute T cell leukemia) cellsby intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and the sample was incubated with the primary antibody at a dilution of 1/240. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isoytype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Western blot - Anti-NCAPH2 antibody [EPR17170] (ab200659)

All lanes : Anti-NCAPH2 antibody [EPR17170] (ab200659) at 1/1000 dilution

Lane 1 : Mouse heart lysate
Lane 2 : Rat heart lysate

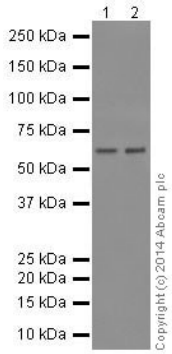
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 68 kDa
Observed band size: 68 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-NCAPH2 antibody [EPR17170] (ab200659)

All lanes : Anti-NCAPH2 antibody [EPR17170] (ab200659) at 1/1000 dilution

Lane 1 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate
Lane 2 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

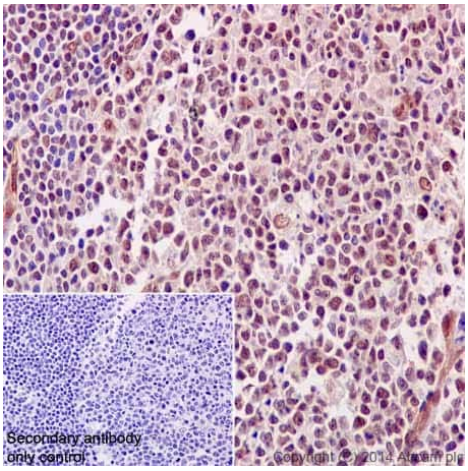
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 68 kDa
Observed band size: 68 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAPH2 antibody [EPR17170] (ab200659)

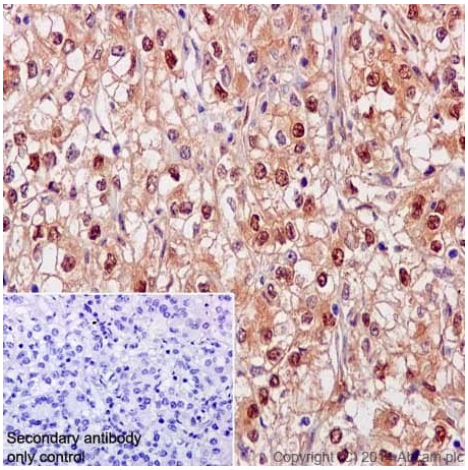
Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling NCAPH2 with ab200659 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution.

Nuclear and weakly cytoplasm staining on Human tonsil tissue is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAPH2 antibody [EPR17170] (ab200659)

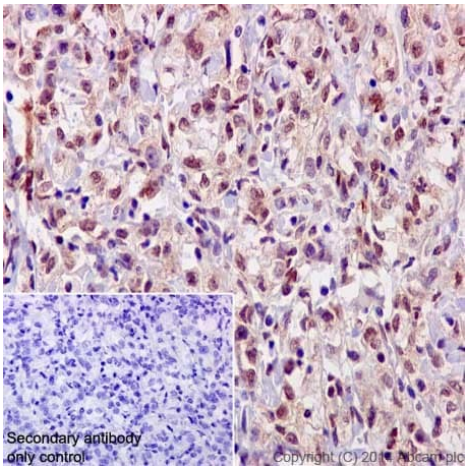
Immunohistochemical analysis of paraffin-embedded Human clear cell carcinoma of kidney tissue labeling NCAPH2 with ab200659 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution.

Nuclear and cytoplasm staining on Human clear cell carcinoma of kidney tissue is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAPH2 antibody [EPR17170] (ab200659)

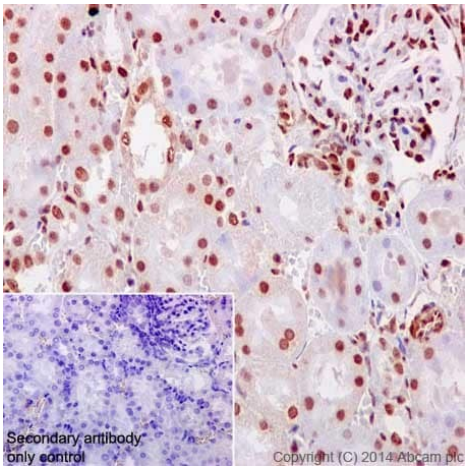
Immunohistochemical analysis of paraffin-embedded Human hepatocellular carcinoma tissue labeling NCAPH2 with ab200659 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution.

Nuclear and weakly cytoplasmic staining on Human hepatocellular carcinoma is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAPH2 antibody [EPR17170] (ab200659)

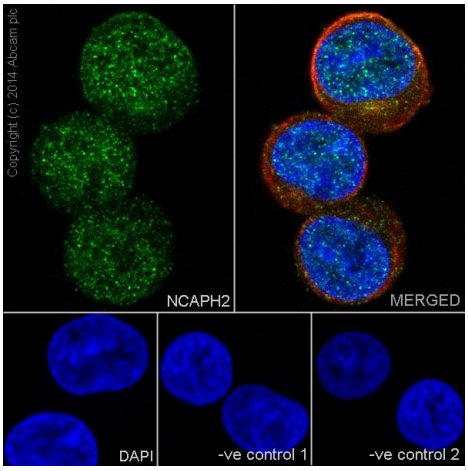
Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling NCAPH2 with ab200659 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution.

Nuclear and weakly cytoplasmic staining on rat kidney is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



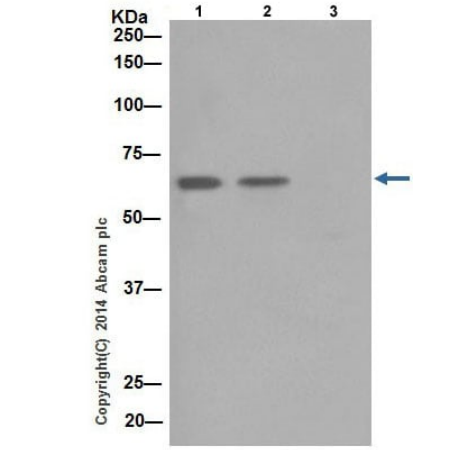
Immunocytochemistry/ Immunofluorescence - Anti-NCAPH2 antibody [EPR17170] (ab200659)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling NCAPH2 with ab200659 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green).

Nuclear and weakly cytoplasm staining on Jurkat cell line is observed.

The nuclear counter stain is DAPI (blue).

Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).
The negative controls are as follows:
-ve control 1: ab200659 at 1/100 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Immunoprecipitation - Anti-NCAPH2 antibody [EPR17170] (ab200659)

NCAPH2 was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with ab200659 at 1/60 dilution.

Western blot was performed from the immunoprecipitate using ab200659 at 1/1000 dilution.

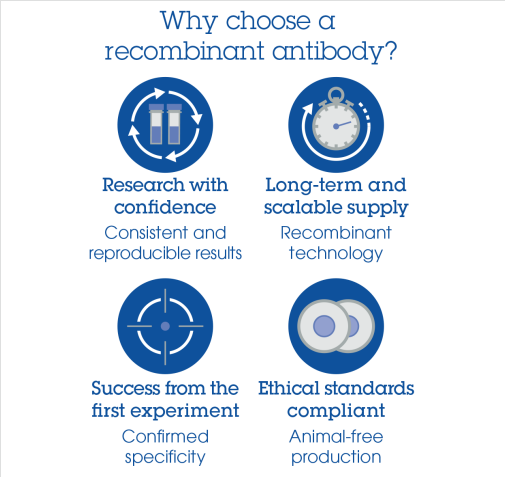
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: HeLa whole cell lysate 10 µg (Input).

Lane 2: ab200659 IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab200659 in HeLa whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.



Anti-NCAPH2 antibody [EPR17170] (ab200659)

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