abcam

Product datasheet

Anti-CCT2 antibody [EPR4084] ab92746

リコンビナント RabMAb

★★★★★ 2 Abreviews 11 References 画像数 12

製品の概要

製品名	Anti-CCT2 antibody [EPR4084]
製品の詳細	Rabbit monoclonal [EPR4084] to CCT2
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human CCT2 aa 500-600 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa, MCF-7 and Daudi cell lysates. Human, mouse, and rat bratin lysates; IHC-P: Human colon, lung and kidney tissue, Mouse and rat kidney tissue; ICC/IF: HeLa and MCF7 cells; Flow Cyt (intra): HeLa cells. IP: HeLa whole cell lysate
特記事項	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**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4084

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ab92746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
Flow Cyt (Intra)		1/10 - 1/100. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 57 kDa.
IP		1/10 - 1/100.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**.
ICC/IF	★★★★★ (1)	1/500. **For unpurified use at 1/100 - 1/250**

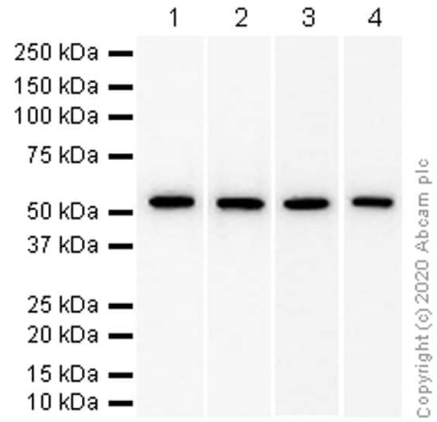
ターゲット情報

機能 Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Known to play a role, in vitro, in the folding of actin and tubulin.

配列類似性 Belongs to the TCP-1 chaperonin family.

細胞内局在 Cytoplasm.

画像



Western blot - Anti-CCT2 antibody [EPR4084] (ab92746)

All lanes : Anti-CCT2 antibody [EPR4084] (ab92746) at 1/10000 dilution (Purified)

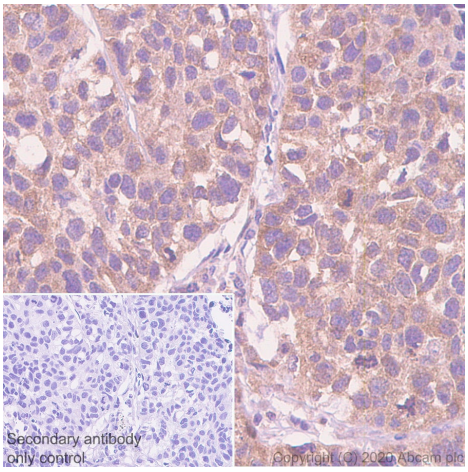
Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : Human brain lysate
Lane 3 : Mouse brain lysate
Lane 4 : Rat brain lysate

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

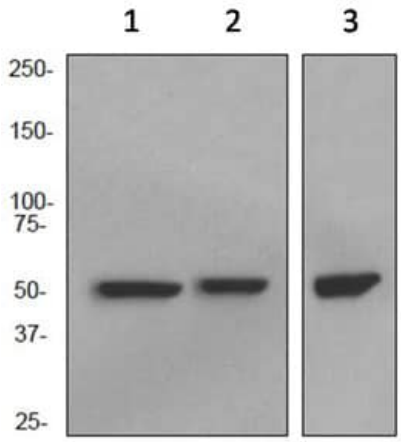
Predicted band size: 57 kDa
Observed band size: 57 kDa

Blocking/Diluting buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCT2 antibody [EPR4084] (ab92746)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue sections labeling CCT2 with purified ab92746 at 1/24000 dilution (0.012 µg/mL). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-CCT2 antibody [EPR4084] (ab92746)

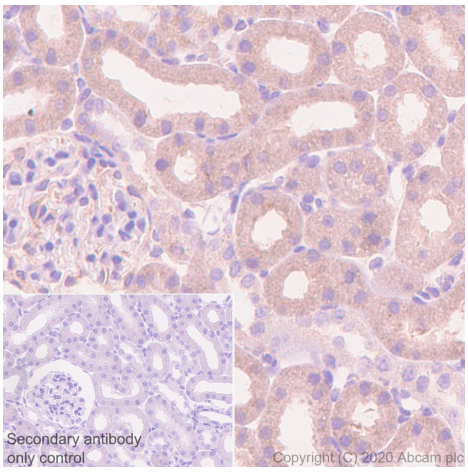
All lanes : Anti-CCT2 antibody [EPR4084] (ab92746) at 1/10000 dilution (unpurified)

Lane 1 : HeLa cell lysate
Lane 2 : MCF-7 cell lysate
Lane 3 : Daudi cell lysate

Lysates/proteins at 10 µg per lane.

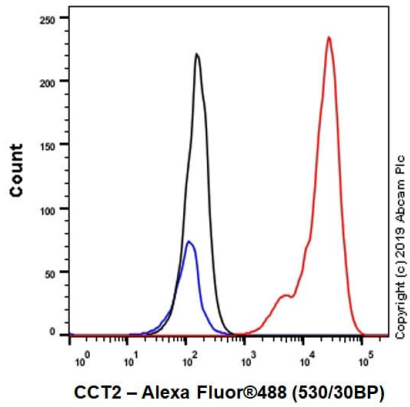
Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 57 kDa



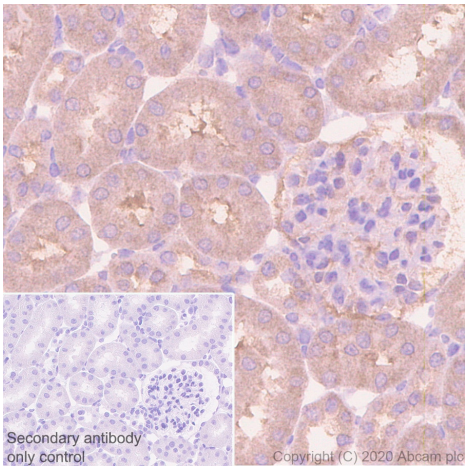
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCT2 antibody [EPR4084] (ab92746)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat kidney tissue sections labeling CCT2 with purified ab92746 at 1/24000 dilution (0.012 µg/mL). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



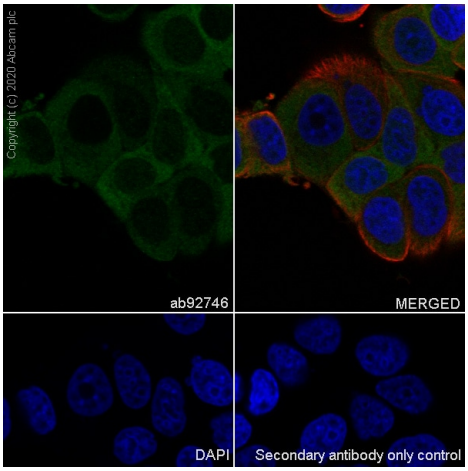
Flow Cytometry (Intracellular) - Anti-CCT2 antibody [EPR4084] (ab92746)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells, labeling CCT2 with Purified ab92746 at 1/30 dilution (10µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluorr® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



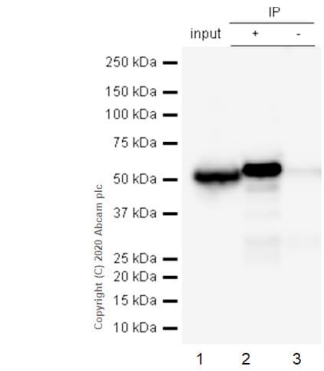
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCT2 antibody [EPR4084] (ab92746)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue sections labeling CCT2 with purified ab92746 at 1/24000 dilution (0.012 µg/mL). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



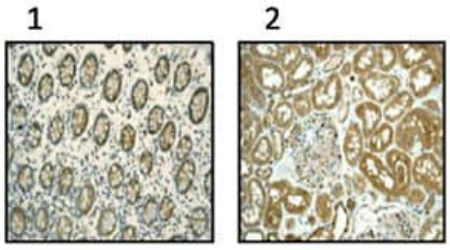
Immunocytochemistry/ Immunofluorescence - Anti-CCT2 antibody [EPR4084] (ab92746)

Immunocytochemistry/Immunofluorescence analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling CCT2 with Purified ab92746 at 1:500 dilution (0.6 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunoprecipitation - Anti-CCT2 antibody [EPR4084] (ab92746)

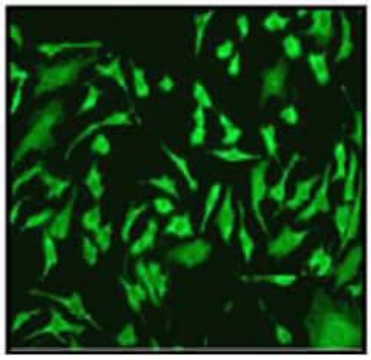
Purified ab92746 at 1:30 dilution (2µg) immunoprecipitating CCT2 in HeLa whole cell lysate.
Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg
Lane 2 (+): ab92746 + HeLa whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab92746 in HeLa whole cell lysate.
Blocking Buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.
Observed band size: 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCT2 antibody [EPR4084] (ab92746)

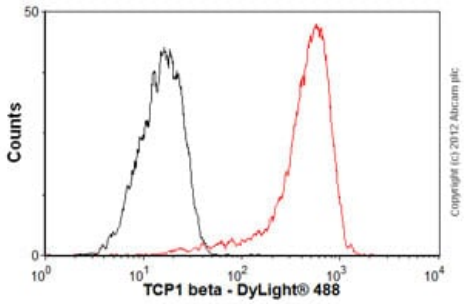
ab92746, unpurified, at a 1/100 dilution, staining CCT2 in formalin fixed, paraffin embedded (1) Human colon tissue and (2) Human kidney tissue by Immunohistochemistry. Detection: DAB staining.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



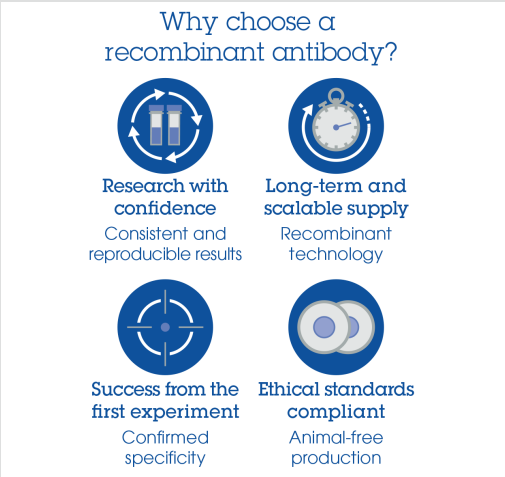
Immunocytochemistry/ Immunofluorescence - Anti-CCT2 antibody [EPR4084] (ab92746)

ab92746, unpurified, at a 1/100 dilution, staining CCT2 in HeLa cells by Immunofluorescence.



Flow Cytometry (Intracellular) - Anti-CCT2 antibody [EPR4084] (ab92746)

Overlay histogram showing HeLa cells stained with ab92746, unpurified, (red line), unpurified. The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab92746, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monclonal) (1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



Anti-CCT2 antibody [EPR4084] (ab92746)

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