abcam

Product datasheet

Anti-CSN7b antibody [EPR6465] ab124718

敲除验证 重组 RabMAb

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概述

产品名称	Anti-CSN7b抗体[EPR6465]
描述	兔单克隆抗体[EPR6465] to CSN7b
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB, ICC/IF **不适用于:** IHC-P
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rat
免疫原	Synthetic peptide within Human CSN7b aa 200-300. The exact sequence is proprietary.
阳性对照	WB: HEK293T, HAP1, Jurkat, HeLa, HL-60, and HT-29 cell lysates. Flow Cyt (intra): HeLa cells. ICC/IF: HeLa cells.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号	EPR6465
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab124718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 at an assay dependent concentration.
WB	★★★★☆ (1)	1/10000 - 1/50000. Predicted molecular weight: 30 kDa.
ICC/IF		1/50 - 1/100.

应用说明 Is unsuitable for IHC-P.

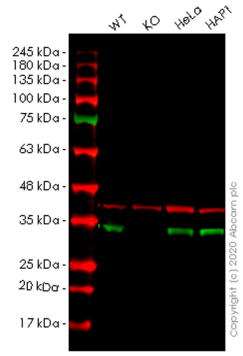
靶标

功能 Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively.

序列相似性 Belongs to the CSN7/EIF3M family. CSN7 subfamily.
Contains 1 PCI domain.

细胞定位 Cytoplasm. Nucleus.

图片



Western blot - Anti-CSN7b antibody [EPR6465] (ab124718)

All lanes : Anti-CSN7b antibody [EPR6465] (ab124718) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate
Lane 2 : COPS7B knockout HEK293T cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : HAP1 cell lysate

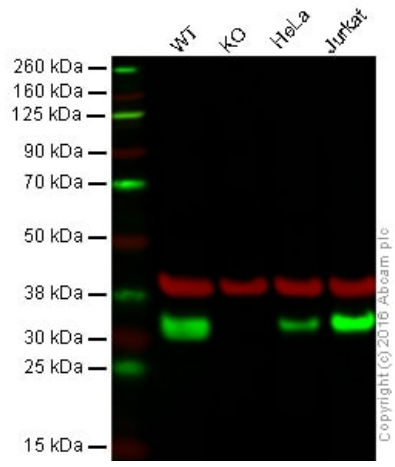
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 30 kDa
Observed band size: 32 kDa

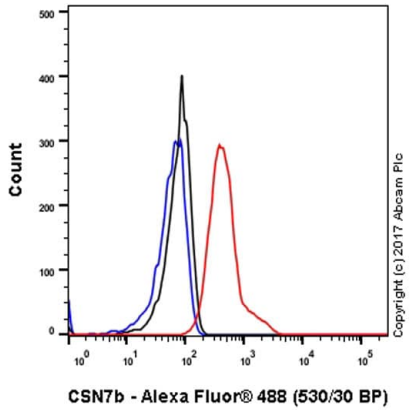
Lanes 1-4: Merged signal (red and green). Green - ab124718 observed at 32 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab124718 Anti-CSN7b antibody [EPR6465] was shown to specifically react with CSN7b in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266646** (knockout cell lysate **ab257895**) was used. Wild-type and CSN7b knockout samples were subjected to SDS-PAGE. ab124718 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



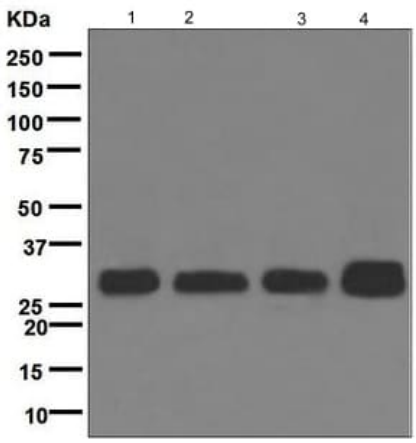
Western blot - Anti-CSN7b antibody [EPR6465] (ab124718)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: CSN7b knockout HAP1 cell lysate (20 µg)
Lane 3: HeLa cell lysate (20 µg)
Lane 4: Jurkat cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab124718 observed at 32 kDa. Red - loading control, **ab8245**, observed at 37 kDa.
ab124718 was shown to specifically react with CSN7b when CSN7b knockout samples were used. Wild-type and CSN7b knockout samples were subjected to SDS-PAGE. ab124718 and **ab8245** (loading control to GAPDH) were both diluted 1/10000 and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-CSN7b antibody [EPR6465] (ab124718)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling CSN7b with unpurified ab124718 at 1/800 dilution (1ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti-rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Western blot - Anti-CSN7b antibody [EPR6465] (ab124718)

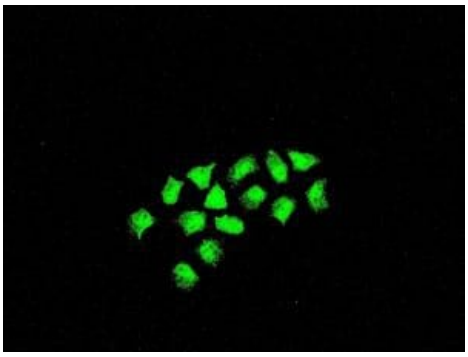
All lanes : Anti-CSN7b antibody [EPR6465] (ab124718) at 1/10000 dilution

Lane 1 : Jurkat cell lysates
Lane 2 : HeLa cell lysates
Lane 3 : HL60 cell lysates
Lane 4 : HT-29 cell lysates

Lysates/proteins at 10 µg per lane.

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

Predicted band size: 30 kDa



Immunocytochemistry/ Immunofluorescence - Anti-CSN7b antibody [EPR6465] (ab124718)

ab124718, at 1/50, staining CSN7b in HeLa cells by Immunofluorescence.

Anti-CSN7b antibody [EPR6465] (ab124718)

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