

Anti-p60 CAF1/MPP7 antibody [EPR6105] ab109442

重组 RabMAb

6 References 6 图像

概述	
产品名称	Anti-p60 CAF1/MPP7抗体[EPR6105]
描述	兔单克隆抗体[EPR6105] to p60 CAF1/MPP7
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P
种属反应性	与反应: Human 不与反应: Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat, HeLa, 293T, and Caco2 cell lysates; IHC: Human colon and tonsil tissues. Flow Cyt: HeLa cells. IP: HeLa.
常规说明	<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> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>
性能	
形式	Liquid
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

克隆	单克隆
克隆编号	EPR6105
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab109442于以下的经测试应用

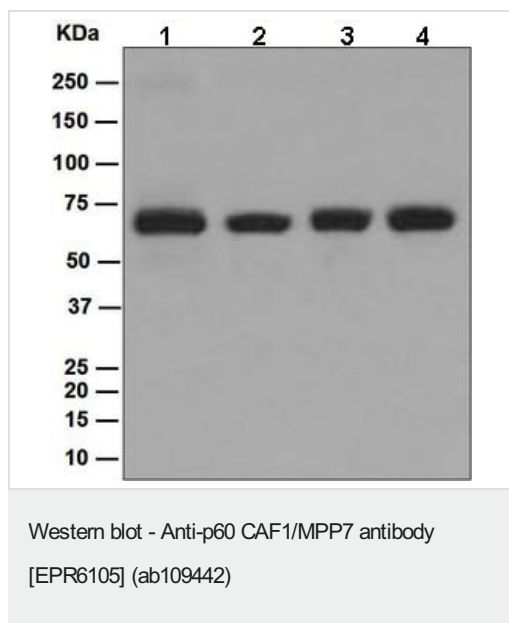
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/100 - 1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Predicted molecular weight: 61 kDa.
IP		1/10 - 1/100.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

靶标

功能	Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. The CCR4-NOT complex functions as general transcription regulation complex.
序列相似性	Belongs to the WD repeat HIR1 family. Contains 7 WD repeats.
发展阶段	Active complex is found in G1, S and G2 phases.
翻译后修饰	Differentially phosphorylated during cell cycle. During mitosis the p60 subunit of inactive CAF-1 is hyperphosphorylated and displaced into the cytosol. Progressivly dephosphorylated from G1 to S and G2 phase. Phosphorylated p60 is recruited to chromatin undergoing DNA repair after UV irradiation in G1, S or G2 phases.
细胞定位	Nucleus. Cytoplasm. DNA replication foci. Cytoplasmic in M phase.

图片



All lanes : Anti-p60 CAF1/MPP7 antibody [EPR6105] (ab109442)

Lane 1 : Jurkat cell lysate

Lane 2 : HeLa cell lysate

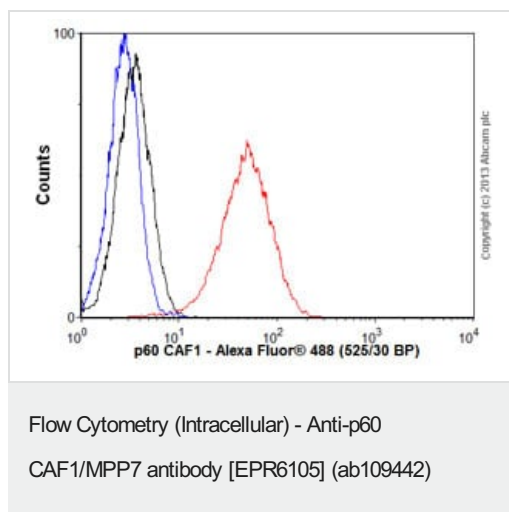
Lane 3 : 293T cell lysate

Lane 4 : Caco-2 cell lysate

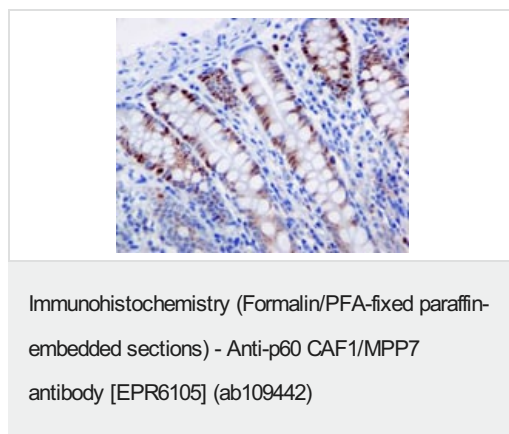
Lysates/proteins at 10 µg per lane.

Predicted band size: 61 kDa

Observed band size: 70 kDa

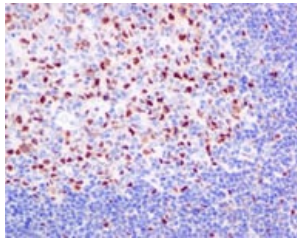


Overlay histogram showing HeLa cells stained with ab109442 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab109442, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



ab109442 at 1/250 dilution staining p60 CAF1/MPP7 in paraffin-embedded Human colon tissue.

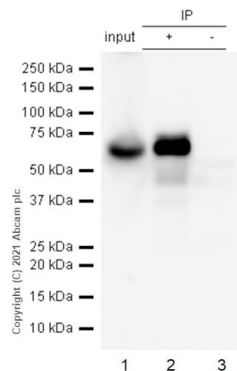
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p60 CAF1/MPP7 antibody [EPR6105] (ab109442)

ab109442 at 1/250 dilution staining p60 CAF1/MPP7 in paraffin-embedded Human tonsil tissue.

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



Immunoprecipitation - Anti-p60 CAF1/MPP7 antibody [EPR6105] (ab109442)

p60 CAF1/MPP7

was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg with 109442 at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

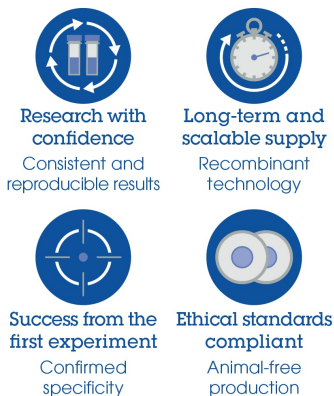
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg

Lane 2: ab109442 IP in HeLa whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab109442 in HeLa whole cell lysate

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

Why choose a recombinant antibody?



Anti-p60 CAF1/MPP7 antibody [EPR6105] (ab109442)

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