abcam

Product datasheet

Anti-HINT1 antibody [EPR5108] ab124912

敲除验证 重组 RabMAb

7 References 6 图像

概述

产品名称	Anti-HINT1抗体[EPR5108]
描述	兔单克隆抗体[EPR5108] to HINT1
宿主	Rabbit
经测试应用	**适用于:** WB, IHC-P, ICC/IF
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic peptide within Human HINT1. The exact sequence is proprietary.
阳性对照	WB: HeLa, 293T, MCF7, HepG2 and Jurkat cell lysates. IHC-P: Human breast carcinoma and Human colonic adenocarcinoma tissues. ICC/IF: MCF7 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. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 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	EPR5108

同种型 IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab124912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
WB		1/1000 - 1/10000. Predicted molecular weight: 14 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)
ICC/IF		1/1000.

靶标

功能 Hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH2.

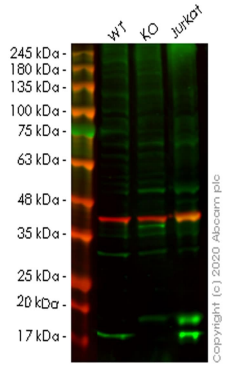
组织特异性 Widely expressed.

序列相似性 Belongs to the HINT family.
Contains 1 HIT domain.

结构域 The histidine triad, also called HIT motif, forms part of the binding loop for the alpha-phosphate of purine mononucleotide.

细胞定位 Cytoplasm. Nucleus. Interaction with CDK7 leads to a more nuclear localization.

图片



Western blot - Anti-HINT1 antibody [EPR5108] (ab124912)

All lanes : Anti-HINT1 antibody [EPR5108] (ab124912) at 1/500 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : HINT1 knockout HeLa cell lysate
Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

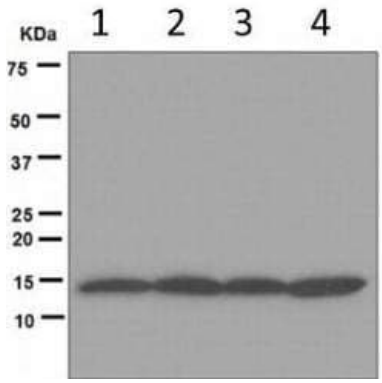
Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 14 kDa

Observed band size: 17 kDa

Lanes 1-3: Merged signal (red and green). Green - ab124912 observed at 17 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab124912 Anti-HINT1 antibody [EPR5108] was shown to specifically react with HINT1 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265776** (knockout cell lysate **ab257465**) was used. Wild-type and HINT1 knockout samples were subjected to SDS-PAGE. ab124912 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated at room temperature for 2. 5 hours at 1 in 500 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.



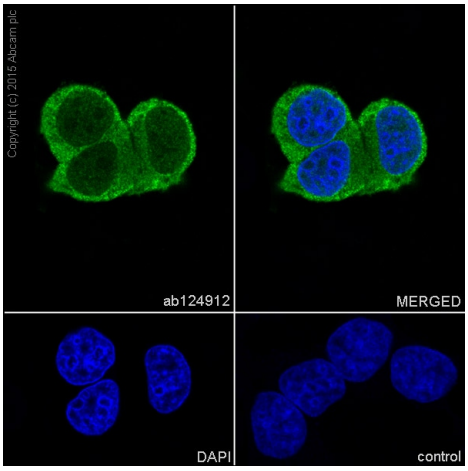
Western blot - Anti-HINT1 antibody [EPR5108] (ab124912)

All lanes : Anti-HINT1 antibody [EPR5108] (ab124912) at 1/1000 dilution

Lane 1 : 293T cell lysate
Lane 2 : MCF7 cell lysate
Lane 3 : HepG2 cell lysate
Lane 4 : Jurkat cell lysate

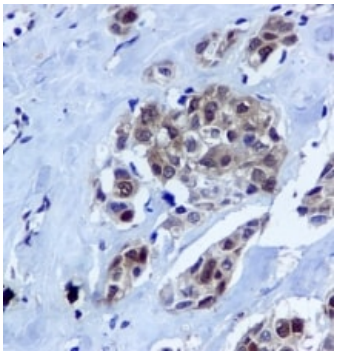
Lysates/proteins at 10 µg per lane.

Predicted band size: 14 kDa



Immunocytochemistry/ Immunofluorescence - Anti-HINT1 antibody [EPR5108] (ab124912)

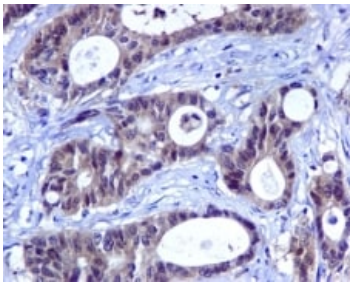
Immunocytochemistry/ Immunofluorescence analysis of MCF7 (human breast adenocarcinoma epithelial cell) cells labeling HINT1 with purified ab124912 at 1/1000 dilution (2 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HINT1 antibody [EPR5108] (ab124912)

ab124912, at 1/250 dilution, staining HINT1 in paraffin embedded breast carcinoma tissue by immunohistochemistry.

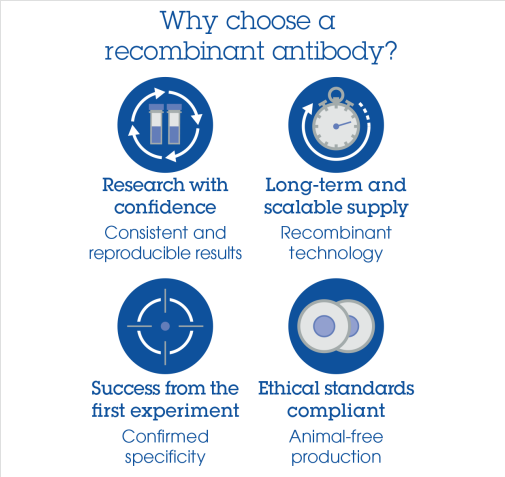
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HINT1 antibody [EPR5108] (ab124912)

ab124912, at 1/250 dilution, staining HINT1 in paraffin embedded colonic adenocarcinoma tissue by immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



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