abcam

Product datasheet

Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] ab109452

重组 　RabMAb

2 References　　5 图像

概述

产品名称	Anti-Cytokeratin 8 (phospho S431)抗体[EP1630]
描述	兔单克隆抗体[EP1630] to Cytokeratin 8 (phospho S431)
宿主	Rabbit
经测试应用	**适用于:** WB, IP, IHC-P, ICC/IF **不适用于:** Flow Cyt
种属反应性	**与反应:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa lysates IHC-P: Human ductal breast carcinoma and Human stomach adenocarcinoma tissues. ICC/IF: HeLa. IP: HeLa treated with Calyculin A whole cell lysate.
常规说明	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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 purrieved
克隆	单克隆
克隆编号	EP1630
同种型	IgG

应用

Abpromise™承诺保证使用ab109452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		1/10000 - 1/50000. Detects a band of approximately 52 kDa (predicted molecular weight: 54 kDa).
IP		1/50.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

应用说明	Is unsuitable for Flow Cyt.

靶标

功能	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
组织特异性	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
疾病相关	Cirrhosis
序列相似性	Belongs to the intermediate filament family.
翻译后修饰	Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcylated), in a cell cycle-dependent manner.
细胞定位	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

图片
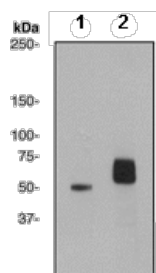
Western blot - Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] (ab109452)

All lanes : Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] (ab109452) at 1/10000 dilution
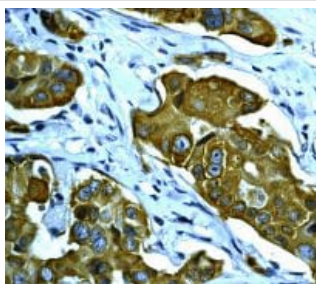
Lane 1 : HeLa lysates, untreated

Lane 2 : HeLa lysates, treated with FBS and Calyculin A

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 54 kDa

Observed band size: 52 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] (ab109452)

ab109452 at 1/100 dilution staining Cytokeratin 8 in Human ductal breast carcinoma by Immunohistochemistry, Paraffin-embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
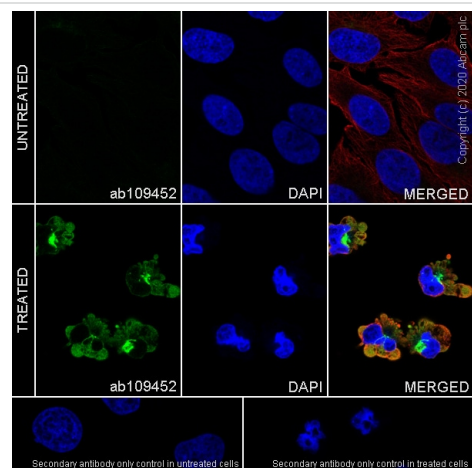
Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] (ab109452)

Immunocytochemistry analysis of HeLa (human cervix adenocarcinoma epithelial cell) labeling Cytokeratin 8 with purified ab109452 at 1/500 dilution. Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/1000 (2 µg/ml) was used as the secondary antibody. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.26 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.

Negative control: PBS instead of the primary antibody.

Immunoprecipitation - Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] (ab109452)

Purified ab109452 at 1/20 dilution (0.5μg) immunoprecipitating Cytokeratin 8 in HeLa treated with Calyculin A whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) treated with Calyculin A whole cell lysate 10μg

Lane 2 (+): ab109452 + HeLa treated with Calyculin A whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab109452 in HeLa treated with Calyculin A whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (ab131366) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM/TBST.

Observed band size: 52 kDa
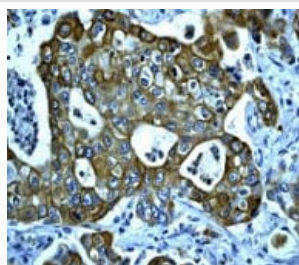
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 (phospho S431) antibody [EP1630] (ab109452)

ab109452 at 1/100 dilution staining Cytokeratin 8 in Human stomach adenocarcinoma by Immunohistochemistry, Paraffin-embedded tissue.

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

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