

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

リコンビナント **RabMAb**

2 References 画像数 5

製品の概要

製品名	Anti-Cytokeratin 8 (phospho S431) antibody [EP1630]
製品の詳細	Rabbit monoclonal [EP1630] to Cytokeratin 8 (phospho S431)
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P, ICC/IF 適用なし: Flow Cyt
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	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.
特記事項	<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>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.</p> <p>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</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1630
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ab109452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確認ください。

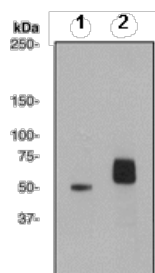
アプリケーション	Abreviews	特記事項
WB		1/10000 - 1/50000. Detects a band of approximately 52 kDa (predicted molecular weight: 54 kDa).
IP		1/50.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

追加情報 Is unsuitable for Flow Cyt.

ターゲット情報

機能	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
組織特異性	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.
関連疾患	Cirrhosis
配列類似性	Belongs to the intermediate filament family.
翻訳後修飾	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.
細胞内局在	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

画像



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

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

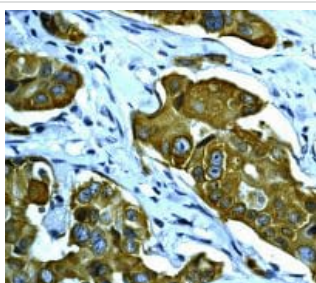
Lane 1 : HeLa lysates, untreated

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

Lysates/proteins at 10 µg per lane.

Predicted band size: 54 kDa

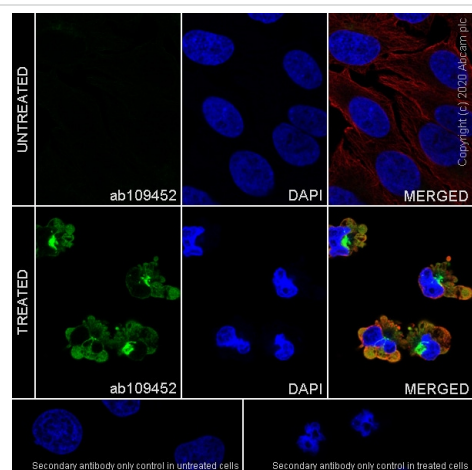
Observed band size: 52 kDa



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.

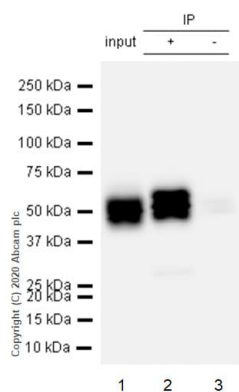
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



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.

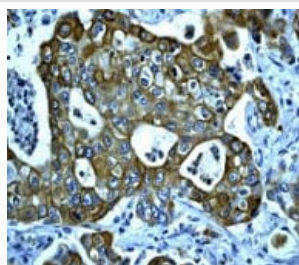
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab109452 in HeLa treated with Calyculin A whole cell lysate.

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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