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Product datasheet

Anti-Cytokeratin 8 antibody [C-43] ab2530

11 References　画像数 4

製品の概要

製品名	Anti-Cytokeratin 8 antibody [C-43]
製品の詳細	Mouse monoclonal [C-43] to Cytokeratin 8
由来種	Mouse
特異性	This antibody recognises the 52.5kDa Cytokeratin 8.
アプリケーション	**適用あり:** WB, ICC/IF, IHC-P, Flow Cyt (Intra)
種交差性	**交差種:** Human **交差が予測される動物種:** Sheep, Rabbit, Cow, Pig　**非交差種:** Mouse, Rat, Chicken, Hamster, Xenopus laevis
免疫原	Tissue, cells or virus corresponding to Human Cytokeratin 8. Cytoskeleton preparation from HeLa human cervix carcinoma cell line
ポジティブ・コントロール	IHC-P: Human lung FFPE tissue sections. ICC/IF: HepG2 cells WB: HeLa cell lysate Flow Cyt (Intra): MCF7 cells
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
精製度	Protein A purified
特記事項（精製）	Purified from tissue culture supernatant. Purity >95% by SDS-PAGE.

ポリ/モノ	モノクローナル
クローン名	C-43
アイソタイプ	IgG1

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ab2530の使用に適用されます

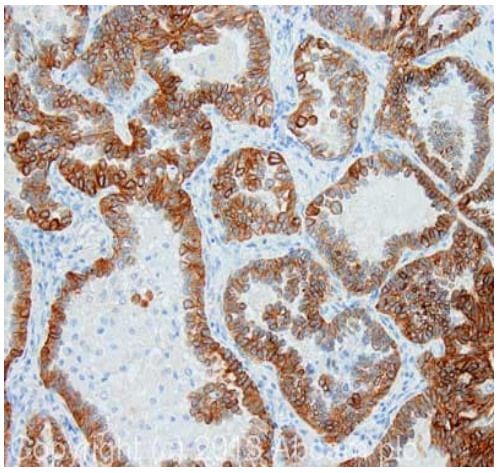
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 52.5 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use a concentration of 10 µg/ml.
Flow Cyt (Intra)		Use a concentration of 1 - 5 µg/ml. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

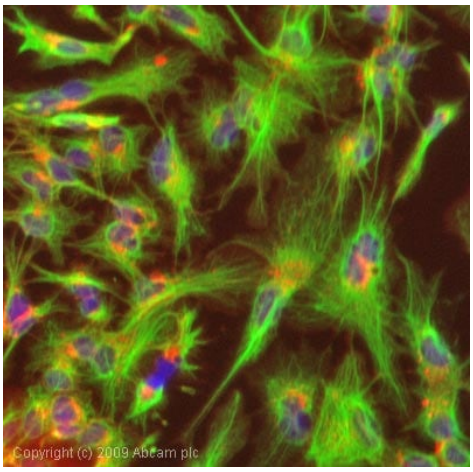
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [C-43] (ab2530)

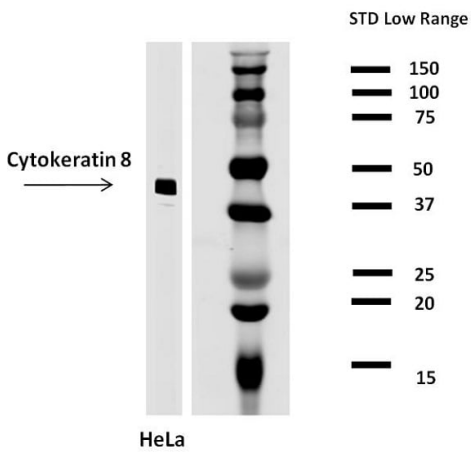
IHC image of ab2530 staining in human lung formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab2530, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 antibody [C-43] (ab2530)

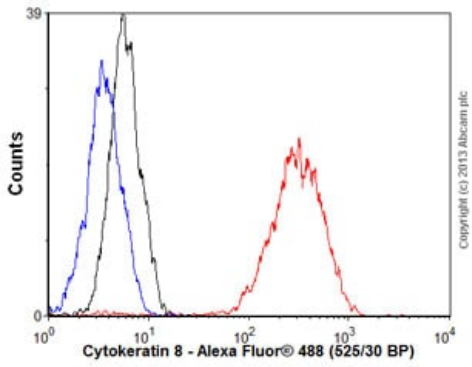
ICC/IF image of ab2530 stained HepG2 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab2530, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-Cytokeratin 8 antibody [C-43] (ab2530)

Anti-Cytokeratin 8 antibody [C-43] (ab2530) at 2 µg/ml + HeLA cell lysate

Predicted band size: 52.5 kDa



Flow Cytometry (Intracellular) - Anti-Cytokeratin 8 antibody [C-43] (ab2530)

Overlay histogram showing MCF7 cells stained with ab2530 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Triton X-100 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 (ab2530, 0.1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H+L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1µg/1x10^6 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. This antibody gave a positive signal in MCF7 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Triton X-100 for 20 min used under the same conditions.

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