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Product datasheet

FITC Anti-Cytokeratin 18 antibody [C-04] ab52459

12 References　画像数 3

製品の概要

製品名	FITC Anti-Cytokeratin 18 antibody [C-04]
製品の詳細	FITC Mouse monoclonal [C-04] to Cytokeratin 18
由来種	Mouse
標識	FITC. Ex: 493nm, Em: 528nm
アプリケーション	**適用あり:** ICC, Flow Cyt (Intra)
種交差性	**交差種:** Human **交差が予測される動物種:** Mammals
免疫原	Tissue, cells or virus corresponding to Human Cytokeratin 18. Cytoskeleton preparation of epidermal carcinoma cell line A431 Database link: **P05783**
ポジティブ・コントロール	ICC: HCT116 cells; Flow Cyt (Intra): HeLa 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.
バッファー	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: 0.2% BSA, PBS
精製度	Protein A purified
特記事項（精製）	Prior to conjugation, the antibody was purified by Protein A affinity chromatography. The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC. Purity >95% by SDS-PAGE.

ポリ/モノ	モノクローナル
クローン名	C-04
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ab52459の使用に適用されます

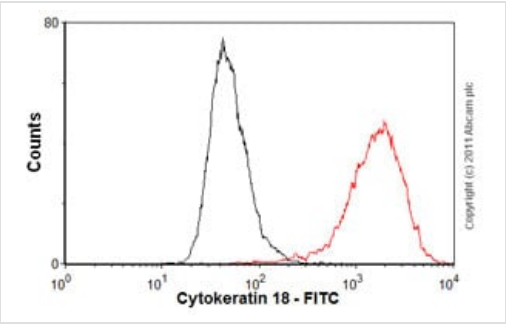
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC		Use a concentration of 5 µg/ml.
Flow Cyt (Intra)		Use a concentration of 1 - 2 µg/ml. **ab91356** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

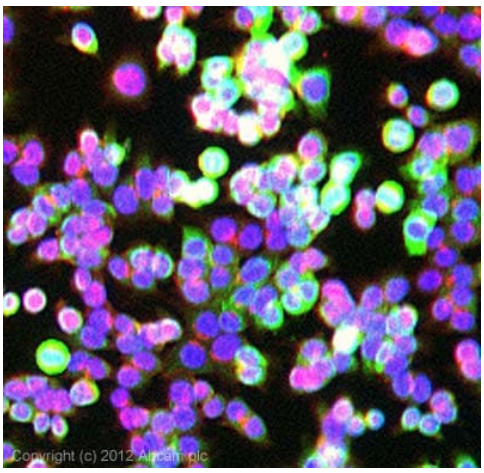
機能	Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.
組織特異性	Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.
関連疾患	Defects in KRT18 are a cause of cirrhosis (CIRRH) [MIM:215600].
配列類似性	Belongs to the intermediate filament family.
翻訳後修飾	Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6. Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7. O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.
細胞内局在	Cytoplasm > perinuclear region.

画像



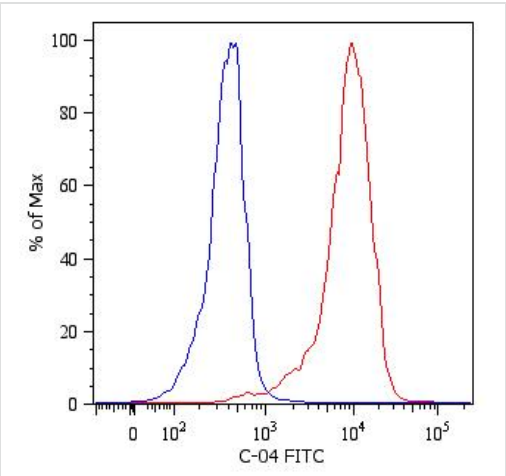
Flow Cytometry (Intracellular) - FITC Anti-Cytokeratin 18 antibody [C-04] (ab52459)

Overlay histogram showing intracellular staining of HeLa cells labeled with ab52459 (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 (ab52459, 1µg/1x10^6 cells) for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 (FITC) (2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunocytochemistry - FITC Anti-Cytokeratin 18 antibody [C-04] (ab52459)

ICC/IF image of ab52459 stained HCT116 cells. The cells were 4% formaldehyde fixed (10 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 (ab52459, 5µg/ml) overnight at +4°C. 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.



Flow Cytometry (Intracellular) - FITC Anti-Cytokeratin 18 antibody [C-04] (ab52459)

Flow cytometry (Intracellular) analysis HeLa (human cervix carcinoma cell line) cells labeling Cytokeratin 18 with ab52459 (red). Overlay with Isotype mouse IgG1 control FITC antibody (blue).

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