

Product datasheet

Anti-Cytokeratin 20 antibody [Ks20.8] ab854

★★★★☆ 4 Abreviews 3 References 画像数 4

製品の概要

製品名	Anti-Cytokeratin 20 antibody [Ks20.8]
製品の詳細	Mouse monoclonal [Ks20.8] to Cytokeratin 20
由来種	Mouse
特異性	This antibody is highly specific to cytokeratin 20 and shows no cross-reaction with other intermediate filament proteins. It is essentially non-reactive in squamous cell carcinomas and adenocarcinomas of the breast, lung, and endometrium, non-mucinous tumors of the ovary and small cell carcinomas.
アプリケーション	適用あり: Flow Cyt, WB, IHC-Fr, IHC-P, ICC/IF
種交差性	交差種: Human
免疫原	Cytoskeletal preparation from micro-dissected villi of human duodenal mucosa.
ポジティブ・コントロール	Colon carcinoma. IF/ICC: Jeg3 cell line.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium Azide Constituents: PBS, Carrier protein, Van Gogh Yellow Diluent, pH 7.3
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	Ks20.8
ミエローマ	unknown
アイソタイプ	IgG2a
軽鎖の種類	unknown

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab854** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリ ケーショ ン	Abreviews	特記事項
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Flow Cyt 1/50.
(Also see PMID: 20332776)

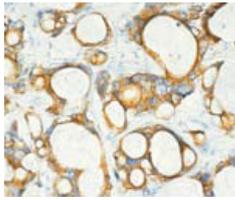
[ab170191](#) - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

WB	★★★★☆	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★☆	Use at an assay dependent concentration. This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. We suggest an incubation period of 30-60 minutes at room temperature.
ICC/IF	★★★★★	1/200.

ターゲット情報

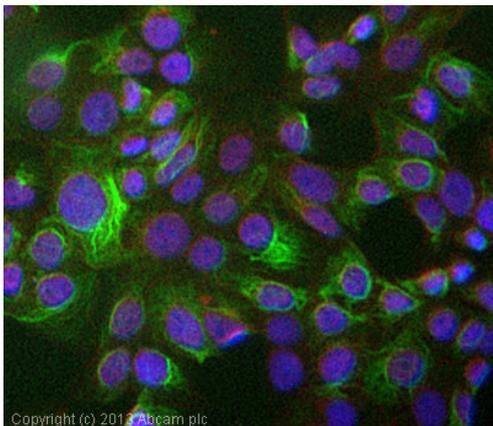
機能	Plays a significant role in maintaining keratin filament organization in intestinal epithelia. When phosphorylated, plays a role in the secretion of mucin in the small intestine.
組織特異性	Expressed predominantly in the intestinal epithelium. Expressed in luminal cells of colonic mucosa. Also expressed in the Merkel cells of keratinized oral mucosa; specifically at the tips of some rete ridges of the gingival mucosa, in the basal layer of the palatal mucosa and in the taste buds of lingual mucosa.
配列類似性	Belongs to the intermediate filament family.
発生段階	First detected at embryonic week 8 in individual 'converted' simple epithelial cells of the developing intestinal mucosa. In later fetal stages, synthesis extends over most goblet cells and a variable number of villus enterocytes. In the developing gastric and intestinal mucosa, expressed in all enterocytes and goblet cells as well as certain 'low-differentiated' columnar cells, whereas the neuroendocrine and Paneth cells are negative.
翻訳後修飾	Hyperphosphorylation at Ser-13 occurs during the early stages of apoptosis but becomes less prominent during the later stages. Phosphorylation at Ser-13 also increases in response to stress brought on by cell injury. Proteolytically cleaved by caspases during apoptosis. Cleavage occurs at Asp-228.
細胞内局在	Cytoplasm.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 20 antibody [Ks20.8] (ab854)

ab854 staining cytokeratin in human colon cancer tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin embedded tissue sections).



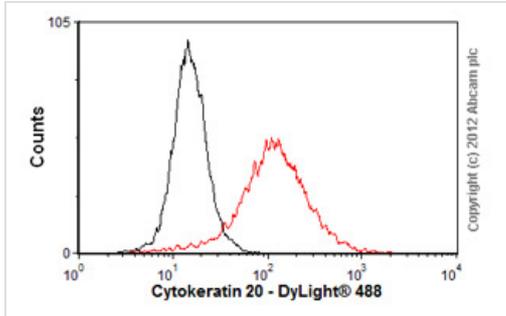
Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 20 antibody [Ks20.8] (ab854)

ICC/IF image of ab854 stained Jeg3 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 (ab854, 1/200 dilution) overnight at +4°C. The secondary antibody (green) was [ab96879](#), DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 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



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 20 antibody [Ks20.8] (ab854)

Immunofluorescent analysis of human colon epithelium, staining Cytokeratin 20 with ab854.



Flow Cytometry - Anti-Cytokeratin 20 antibody
[Ks20.8] (ab854)

Overlay histogram showing LoVo cells stained with ab854 (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 (ab854, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [C1GG2A] (ab91361, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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