abcam

Product datasheet

Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] ab86734

重组

★★★★★ 11 Abreviews 49 References 8 图像

概述

产品名称	Anti-pan Cytokeratin抗体[AE1/AE3 + 5D3]
描述	小鼠重组multiclonal [AE1/AE3 + 5D3] to pan Cytokeratin
宿主	Mouse
特异性	The ab86734 is a combination of [AE1/AE3] and [5D3] clones and can be used to detect most human epithelia. [AE1/AE3] recognizes acidic and basic subfamilies of cytokeratins, with molecular weights ranging from 40 to 67 kDa. [5D3] recognizes Cytokeratin 8 and 18 intermediate filament proteins. In normal tissues, [5D3] recognizes all simple and glandular epithelium. It has been observed that [AE1/AE3] has had problems marking certain tissues types and adenocarcinomas. The addition of [5D3] may remedy some of the limitations observed when staining with [AE1/AE3] alone.
经测试应用	**适用于:** Flow Cyt, ICC/IF, IHC-P
种属反应性	**与反应:** Goat, Chicken, Dog, Human, Pig
免疫原	Full length protein corresponding to pan Cytokeratin.
阳性对照	Skin or adenocarcinoma This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HepG2.
常规说明	This product was changed from ascites to tissue culture supernatant on 8th March 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. 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 Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.09% Sodium azide Buffer with protein carrier
纯度	Protein A/G purified
克隆	Recombinant Multiclonal
克隆编号	AE1/AE3 + 5D3
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab86734于以下的经测试应用**

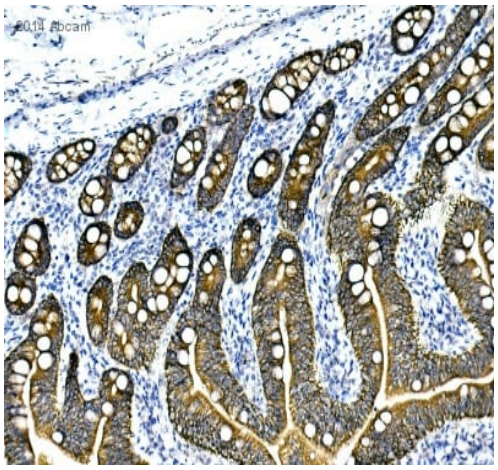
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		1/100. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★ (1)	1/100.
IHC-P	★★★★★ (9)	Use at an assay dependent concentration.

靶标

相关性	Cytokeratins, a group comprising at least 29 different proteins, are characteristic of epithelial and trichocytic cells. Cytokeratins 1, 4, 5, 6, and 8 are members of the type II neutral to basic subfamily. Monoclonal anti cytokeratins are specific markers of epithelial cell differentiation and have been widely used as tools in tumor identification and classification. Monoclonal Anti Pan Cytokeratin is a broadly reactive reagent, which recognizes epitopes present in most human epithelial tissues. It facilitates typing of normal, metaplastic and neoplastic cells. Synergy between the various components results in staining amplification. This enables identification of cells, which would otherwise be stained only marginally. The mixture may aid in the discrimination of carcinomas and nonepithelial tumors such as sarcomas, lymphomas and neural tumors. It is also useful in detecting micrometastases in lymph nodes, bone marrow and other tissues and for determining the origin of poorly differentiated tumors. There are two types of cytokeratins the acidic type I cytokeratins and the basic or neutral type II cytokeratins. Cytokeratins are usually found in pairs comprising a type I cytokeratin and a type II cytokeratin. Usually the type II cytokeratins are 8kD larger than their type I counterparts.
细胞定位	Cytoplasmic

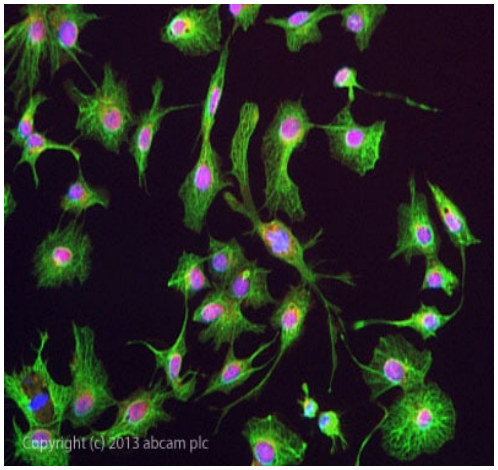
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

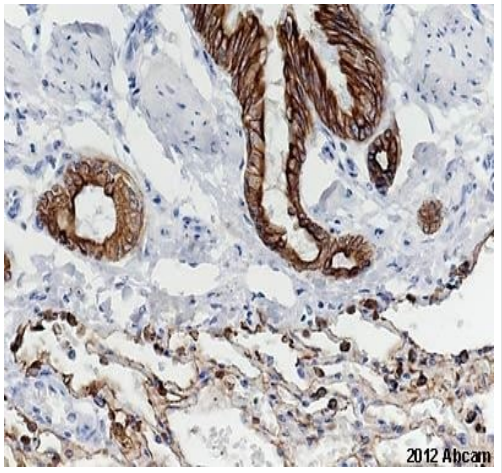
This image is courtesy of an Abreview submitted by Carl Hobbs

ab86734 staining pan Cytokeratin in pig small intestine tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in citric acid. Samples were incubated with primary antibody (1/250 in TBS/BSA/azide) for 2 hours at 21°C. A Biotin-conjugated goat anti-mouse IgG polyclonal (1/200) was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

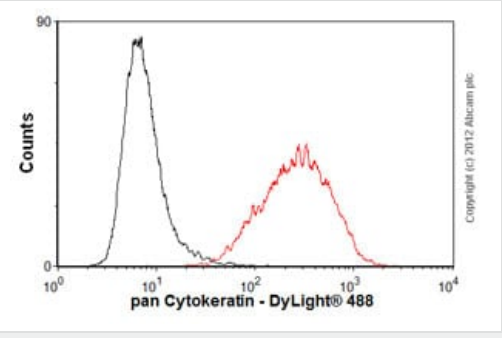
ab86734 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab86734 at 1/100 dilution overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- mouse (**ab96879**) 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. This antibody also gave a positive result in methanol fixed (100%, 5min) HeLa, Hek293. HepG2, and MCF-7 cells, also in formaldehyde fixed (4%, 10min) HeLa, Hek293, and MCF-7 cells at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

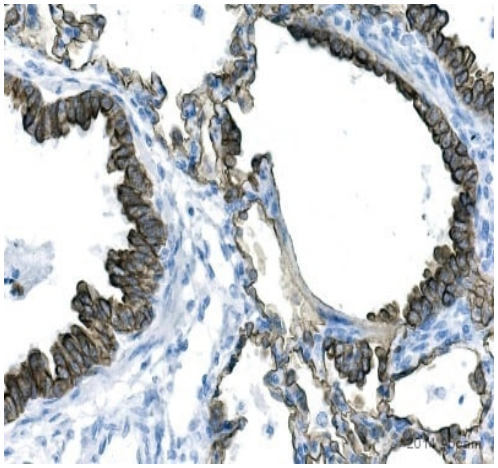
Mr Carl Hobbs

Formaldehyde fixed dog lung tissue stained for pan Cytokeratin with ab86734 at a 1/250 dilution. Heat mediated - Buffer/Enzyme Used: Citric acid. 1% BSA used for blocking for 10 minutes at RT. Primary incubation for 2 hours at RT in TBS/BSA/Azide. Secondary: Goat polyclonal conjugated to biotin used at a 1/200 dilution.



Flow Cytometry - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

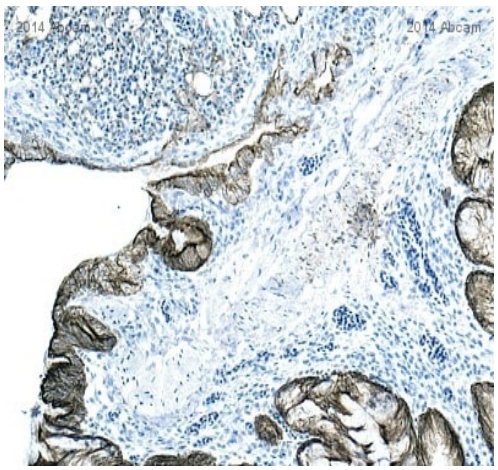
Overlay histogram showing A431 cells stained with ab86734 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab86734, 1/100 dilution) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

Mr Carl Hobbs

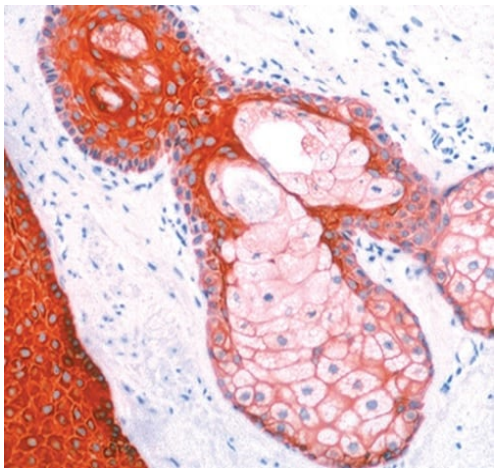
Formaldehyde fixed goat lung tissue stained for pan Cytokeratin with ab86734 at a 1/250 dilution. Heat mediated - Buffer/Enzyme Used: Citric acid. 1% BSA used for blocking for 10 minutes at RT. Primary incubation for 2 hours at RT in TBS/BSA/Azide. Secondary: Goat polyclonal conjugated to biotin used at a 1/200 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

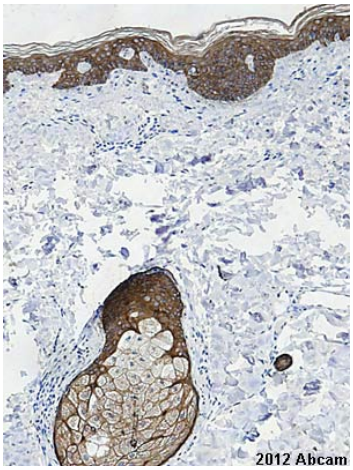
Mr Carl Hobbs

Formaldehyde fixed chicken lung tissue stained for pan Cytokeratin with ab86734 at a 1/200 dilution. Heat mediated - Buffer/Enzyme Used: Citric acid. 1% BSA used for blocking for 10 minutes at RT. Primary incubation for 16 hours at RT in TBS/BSA/Azide. Secondary: Goat polyclonal conjugated to biotin used at a 1/200 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

Skin stained for pan Cytokeratin with ab86734 at a 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan Cytokeratin antibody [AE1/AE3 + 5D3] (ab86734)

This image is courtesy of an Abreview submitted by Carl Hobbs

ab8673 staining human skin sections by IHC-P. The tissue was fixed with formaldehyde and a heat mediated antigen retrival step was performed with citric acid pH 6. Blocking of the sample was done with 1% BSA for 10 minutes at 21°C, followed by staining with **ab8673** at 1/250 in TBS/BSA/azide for 2h at 21°C. A biotinylated goat anti-mouse polyclonal antibody at 1/200 was used as the secondary antibody.

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