abcam

Product datasheet

Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] ab192467

重组 RabMAb

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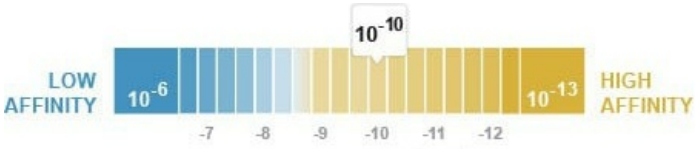
概述

产品名称	Alexa Fluor® 488荧光Anti-Cytokeratin 8抗体[EP1628Y]
描述	Alexa Fluor® 488荧光兔单克隆抗体[EP1628Y] to Cytokeratin 8
宿主	Rabbit
偶联物	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
经测试应用	**适用于:** ICC, Flow Cyt (Intra)
种属反应性	**与反应:** Human **预测可用于:** Mouse
免疫原	Synthetic peptide within Human Cytokeratin 8 aa 300-400 (C terminal). The exact sequence is proprietary. Database link: **P05787**
阳性对照	ICC/IF: HeLa cells Flow Cyt (intra): HeLa cells
常规说明	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C. Store In the Dark.
解离常数 (K_D)	$K_D = 4.60 \times 10^{-10}$ M



Learn more about K_D

存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1628Y
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab192467于以下的经测试应用

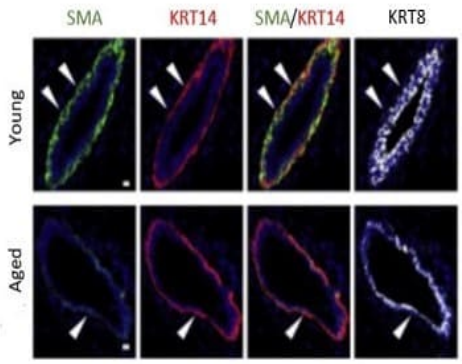
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		1/100.
Flow Cyt (Intra)		1/500.

靶标

功能	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
组织特异性	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.
疾病相关	Cirrhosis
序列相似性	Belongs to the intermediate filament family.
翻译后修饰	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.
细胞定位	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

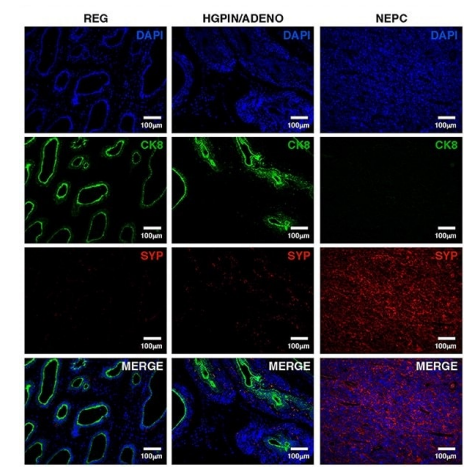
图片



Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Li CM et al; Cell Rep. 2020 Dec 29;33(13):108566. doi: 10.1016/j.celrep.2020.108566. Reproduced under the Creative Commons license: https://creativecommons.org/licenses/by/4.0/

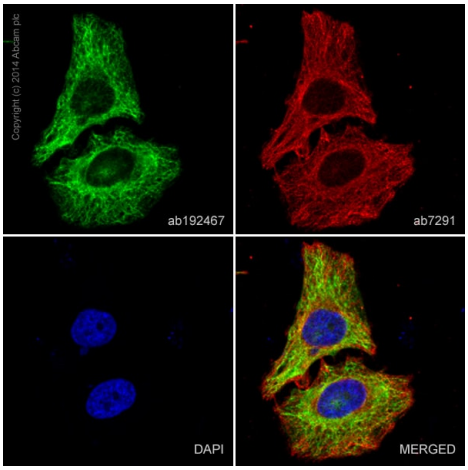
Immunofluorescence analysis of mouse myoepithelial cells labelling KRT8 (right) with ab192467 at 1/100 dilution. The tissue was fixed in 10% neutral buffered formalin overnight. Paraffin embedding and sectioning were performed by the Rodent Histopathology Core at Harvard Medical School. Scale bar, 10 µm.



Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Sulsenti R et al; Front Immunol. 2021 Mar 2;12:622001. doi: 10.3389/fimmu.2021.622001. Reproduced under the Creative Commons license: https://creativecommons.org/licenses/by/4.0/

Immunofluorescence analysis of mouse postate tumor samples labelling cytokeratin 8 (green) with ab192467 at 1/100 dilution. SYP was also stained using **ab206870** (red). Cells were fixed with formalin and embedded in paraffin. Sections were blocked with PBS-Tween (0.1%) containing 5% of BSA. Primary conjugated antibodies were simultaneously incubated overnight at 4°C. Nuclear DNA was labelled with DAPI (blue). Scale bar = 100 µm.



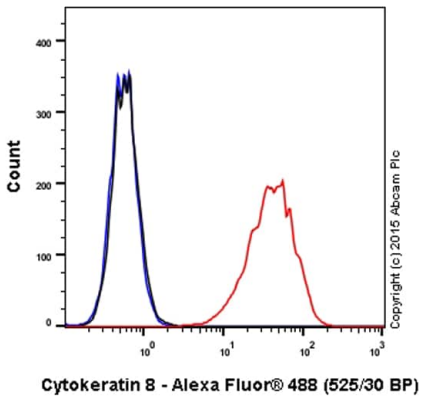
Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Immunofluorescence staining of cytokeratin 8 in HeLa cells using ab192467. The cells were fixed with 4% formaldehyde (10 min) and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Triton X-100 for 1hr. The cells were then incubated with **ab192647** at a working dilution of 1 in 100 (shown in green) and **ab7291** (Mouse monoclonal [DM1A] to alpha Tubulin) at 1 µg/ml overnight at +4°C, followed by a further incubation at room temperature for 1hr with AlexaFluor® 594 Goat anti-mouse IgG (H&L - preadsorbed) (**ab150120**) at 2 µg/ml (shown in pseudo-color red).

Nuclear DNA was labeled in blue with DAPI.

This product gave a positive signal in 100% methanol (5 min) fixed HeLa cells under the same testing conditions.

Image was taken with a Confocal microscope (Leica-microsystems, TCS SP8)



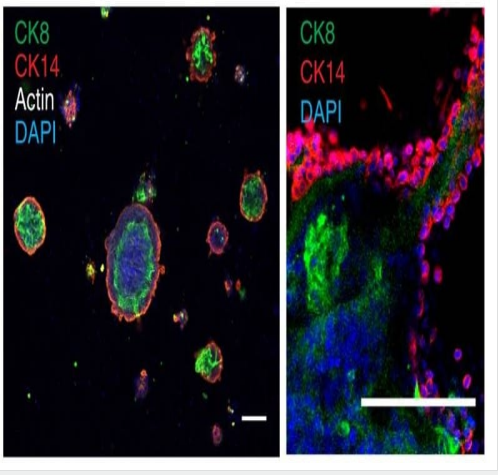
Flow Cytometry (Intracellular) - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Flow cytometry analysis of HeLa cells stained with ab192467. 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 (ab192467, 1/500 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was rabbit monoclonal IgG [EPR25A] Alexa Fluor® 488 (**ab199091**) used at the same concentration and conditions as the primary antibody. Unlabeled 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 HeLa cells fixed with 4% formaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Immunofluorescence staining in human mammary organoids of cytokeratin 8 using ab192467 (green), cytokeratin 14 using **ab206100** (red), and actin (white). Cells were fixed with 4% paraformaldehyde for 20 minutes at room temperature and permeabilized with 0.5% Triton X-100 for 10 minutes at 4 °C. Primary antibodies incubated overnight at 4 °C. Nuclear DNA was labelled with DAPI (blue). Scale bar = 100 µm. Organoids were imaged by confocal microscopy.

Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

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