abcam

Product datasheet

Anti-Cytokeratin 8 antibody ab59400

7 Abreviews 48 References 画像数 6

製品の概要

製品名	Anti-Cytokeratin 8 antibody
製品の詳細	Rabbit polyclonal to Cytokeratin 8
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB, IHC-P
種交差性	**交差種:** Human
免疫原	Synthetic non-phosphopeptide derived from human Cytokeratin 8 around the phosphorylation site of serine 431 (L-T-S^{P}-P-G).
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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

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ab59400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/IF		Use a concentration of 1 µg/ml.
WB	★★★☆☆ (1)	1/500 - 1/1000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).
IHC-P	★★★★★ (5)	Use at an assay dependent concentration.

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.

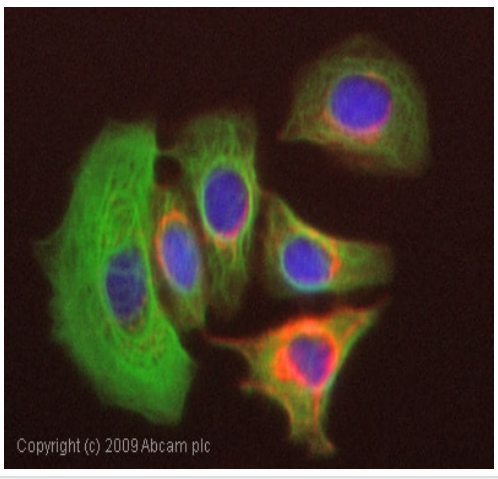
関連疾患
Cirrhosis

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.

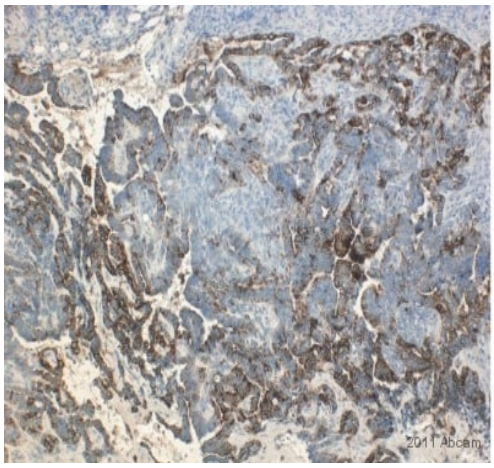
細胞内局在
Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

画像



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 antibody (ab59400)

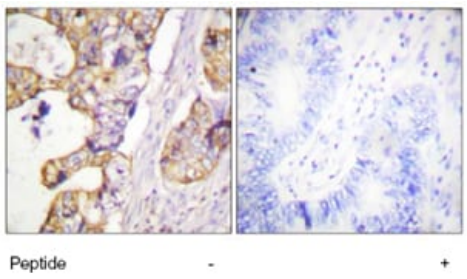
ICC/IF image of ab59400 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab59400, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody (ab59400)

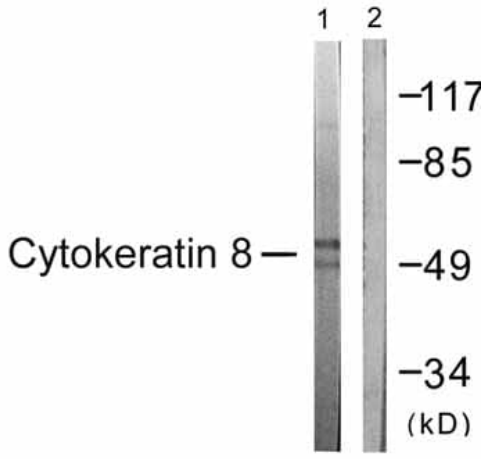
This image is courtesy of an Abreview provided by Megha Rajaram.

ab59400 staining Cytokeratin 8 in Human breast cancer cells xenografted into nude mice by Immunohistochemistry (Formalin/ PFA-fixed paraffin-embedded tissue sections). The sections were fixed in formalin and subjected to heat-mediated antigen retrieval in citrate buffer (0.1M Sodium Citrate) prior to blocking with 5% serum for 1 hour at 4°C. The primary antibody was diluted 1/200 in 5% goat serum in PBS and incubated with the sample for 12 hours at 4°C. A Biotin-conjugated Goat anti-Rabbit polyclonal was used as the secondary antibody, diluted 1/1000.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody (ab59400)

Immunohistochemical analysis of paraffin embedded human colon carcinoma tissue using ab59400 at 1/50 dilution, in the presence (right) and absence (left) of immunising peptide. Then, a polymer secondary antibody was used for detection.

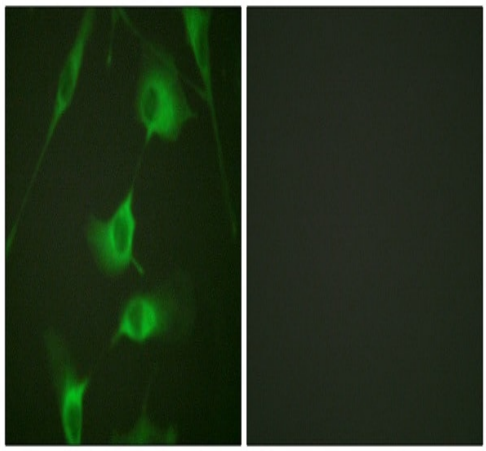


Western blot - Anti-Cytokeratin 8 antibody (ab59400)

All lanes : Anti-Cytokeratin 8 antibody (ab59400) at 1/500 dilution

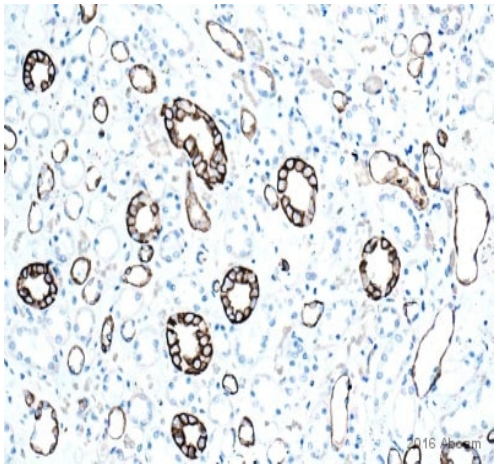
Lane 1 : EGF treated (200ng/ml, 30mins) 293 cell extracts
Lane 2 : EGF treated (200ng/ml, 30mins) 293 cell extracts with immunising peptide

Predicted band size: 54 kDa
Observed band size: 54 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 antibody (ab59400)

Immunocytochemistry/ Immunofluorescence analysis of HeLa cells, labeling Cytokeratin 8 with ab59400. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody (ab59400)

This image is courtesy of an abreview submitted by Carl Hobbs, King's College London, United Kingdom

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue sections labeling Cytokeratin 8 with ab59400 at 1/100 dilution. Tissue sections were fixed with formaldehyde; heat mediated antigen retrieval was performed using a citric acid. 2% BSA was used to block, followed by incubation with ab59400 in TBS/BSA/azide for 2 hours at 21°C. a polyclonal goat anti-rabbit IgG bitin conjugated secondary antibody was used at 1/300 dilution.

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