# Cytokeratin 19 (CK19) Rabbit mAb

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Catalog No.: A19040 Recombinant 5 Publications

## **Basic Information**

#### **Observed MW**

44 kDa

#### **Calculated MW**

44 kDa

## Category

Primary antibody

## **Applications**

WB,IHC-P,IF/ICC,IF-P,ELISA

#### **Cross-Reactivity**

Human

#### CloneNo number

ARC2811

# **Background**

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

## **Recommended Dilutions**

WB	1:500 - 1:3000
IHC-P	1:200 - 1:800
IF/ICC	1:100 - 1:400

Recommended starting **ELISA** 

concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

1:100 - 1:400

# **Immunogen Information**

Gene ID	<b>Swiss Prot</b>
3880	P08727

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

K19; KRT19; K1CS; Cytokeratin 19 (CK19)

# Contact

IF-P

<b>a</b>	400-999-6126
×	cn.market@abclonal.com.cn
	www.abclonal.com.cn

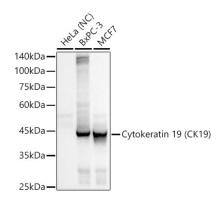
## **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at 1:500 dilution incubated overnight at  $4^{\circ}$ C.

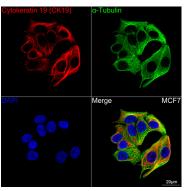
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

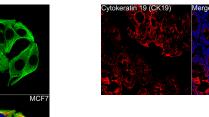
Lysates/proteins: 25µg per lane.

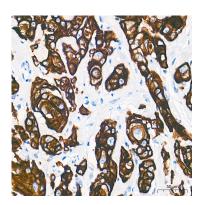
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020). Negative control (NC): HeLa

Exposure time: 0.5s.



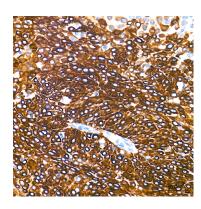




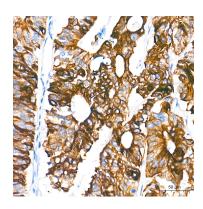
Confocal imaging of MCF7 cells using Cytokeratin 19 (CK19) Rabbit mAb (A19040, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit 1gG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse 1gG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of paraffin-embedded Human colon cancer tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

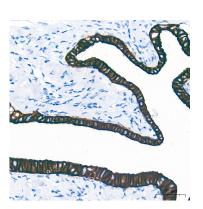
Immunohistochemistry analysis of paraffinembedded Human breast cancer tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human cervix cancer tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

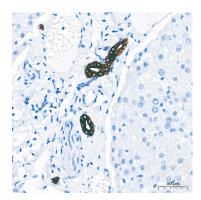


Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

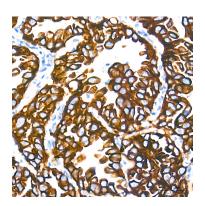


Immunohistochemistry analysis of paraffinembedded Human fallopian tube tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

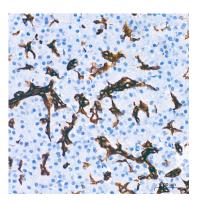
## **Validation Data**



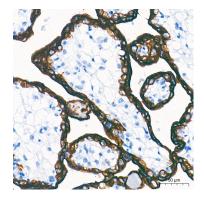
Immunohistochemistry analysis of paraffinembedded Human liver tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human lung squamous carcinoma tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human pancreas tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human placenta tissue using Cytokeratin 19 (CK19) Rabbit mAb (A19040) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.