

Cytokeratin 19 (KRT19) Rabbit mAb

Catalog No.: A25546 **Recombinant** **1 Publications**

Basic Information

Observed MW

Refer to figures

Calculated MW

44kDa

Category

Primary antibody

Applications

IF/ICC,IF-P,IHC-P,FC (intra),ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC54260

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

IF/ICC 1:200 - 1:800

IF-P 1:200 - 1:800

IHC-P 1:5000 - 1:20000

FC (intra) 1:1000 - 1:5000

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

Contact

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 | www.abclonal.com.cn

Immunogen Information

Gene ID

3880

Swiss Prot

P08727

Immunogen

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

Synonyms

K19; CK19; K1CS

Product Information

Source

Rabbit

Isotype

IgG

Purification

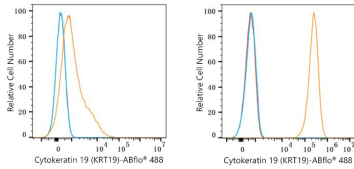
Affinity purification

Storage

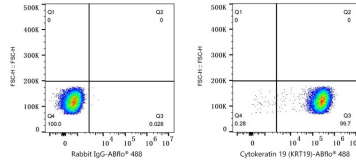
Store at -20°C. Avoid freeze / thaw cycles.

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.

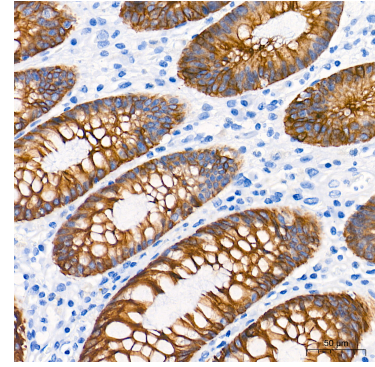
Validation Data



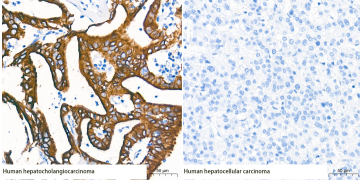
Flow cytometry: 1×10^6 Jurkat cells (negative control, left) and MCF7 cells (right) were intracellularly-stained with Cytokeratin 19 (KRT19) Rabbit mAb (A25546, 2 $\mu\text{g}/\text{mL}$, orange line) or Rabbit IgG isotype control (AC042, 2 $\mu\text{g}/\text{mL}$, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



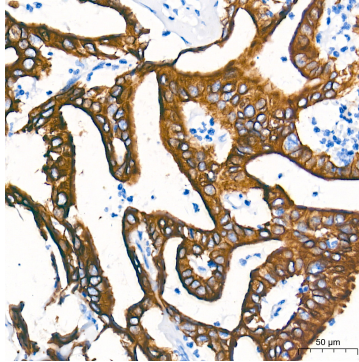
Flow cytometry: 1×10^6 MCF7 cells were intracellularly-stained with Rabbit IgG isotype control (AC042, 2 $\mu\text{g}/\text{mL}$, left) or Cytokeratin 19 (KRT19) Rabbit mAb (A25546, 2 $\mu\text{g}/\text{mL}$, right), followed by FITC conjugated goat anti-Rabbit pAb staining.



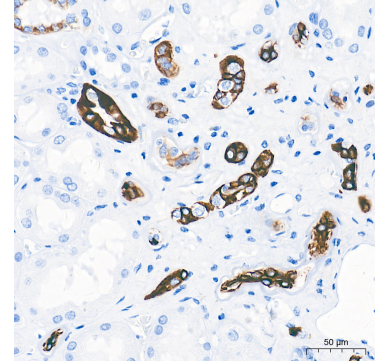
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



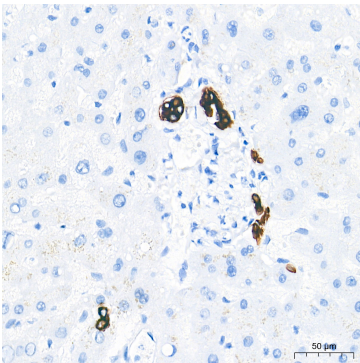
Immunohistochemistry analysis of paraffin-embedded Human hepatocholangiocarcinoma and hepatocellular carcinoma tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



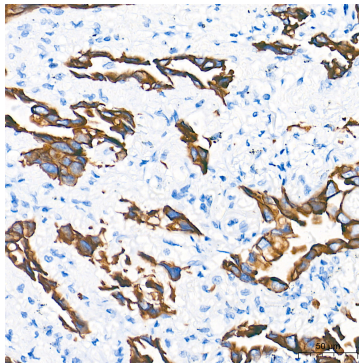
Immunohistochemistry analysis of paraffin-embedded Human hepatocellular carcinoma tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



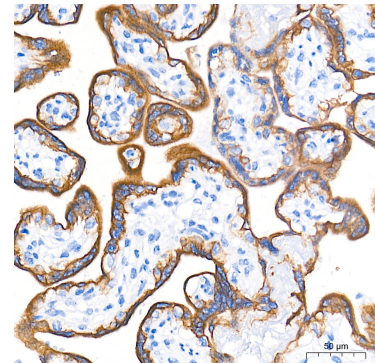
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



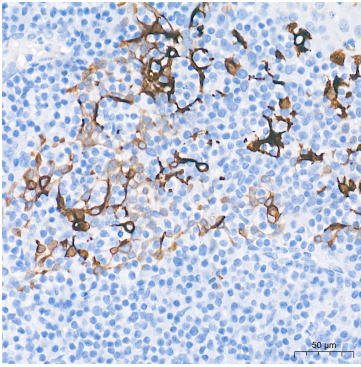
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

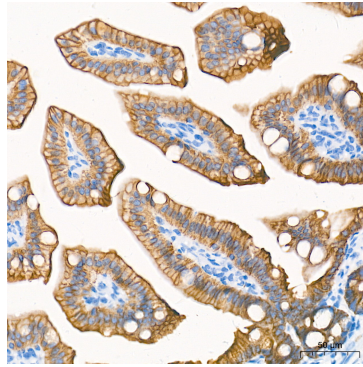
Validation Data

IHC staining.



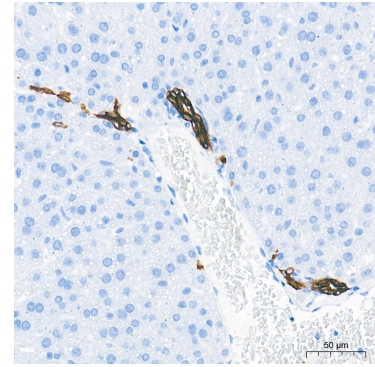
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

IHC staining.

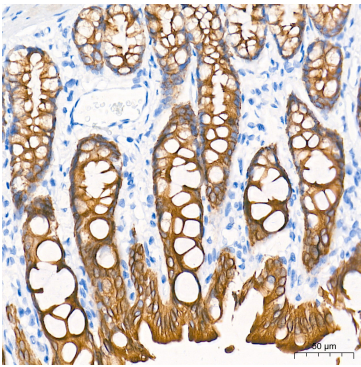


Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

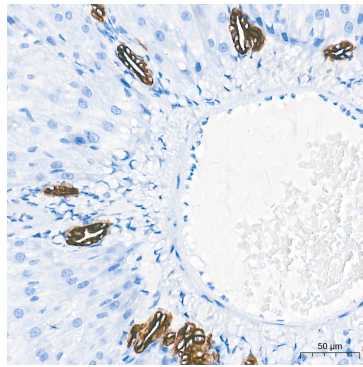
IHC staining.



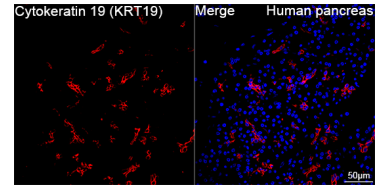
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



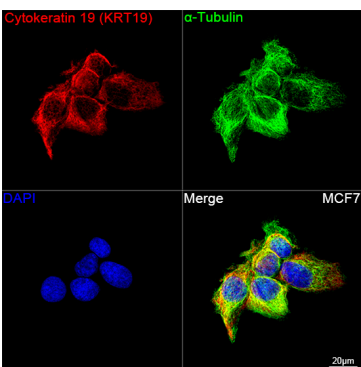
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human pancreas tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546, dilution 1:500) followed by a further incubation with Cy3 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.



Confocal imaging of MCF7 cells using Cytokeratin 19 (KRT19) Rabbit mAb (A25546, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The

Validation Data

cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.