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Cytokeratin 19 (KRT19) Rabbit mAb

Catalog No.: A25546 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
44kDa

Category
Primary antibody

Applications
IHC-P,IF/ICC,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

IHC-P	1:5000 - 1:20000
IF/ICC	1:200 - 1:800
FC (intra)	1:1000 - 1:5000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3880

Swiss Prot
P08727

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

Synonyms
K19; CK19; K1CS

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

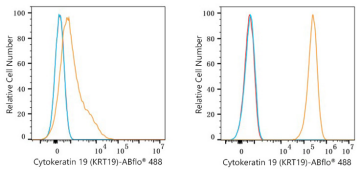
Source
Rabbit

Isotype
IgG

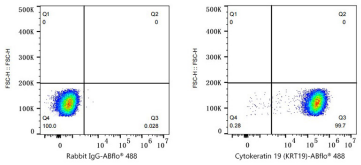
Purification
Affinity purification

Storage
Store at -20℃. 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.

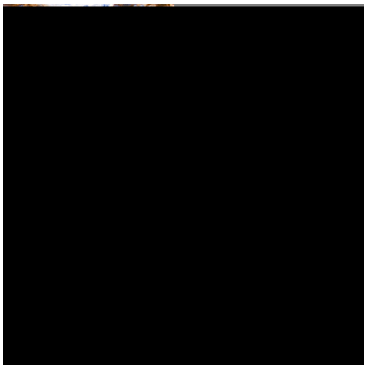
Validation Data



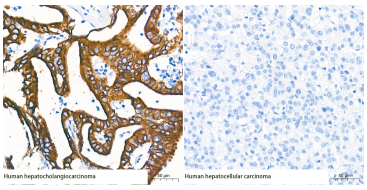
Flow cytometry: 1X10^6 Jurkat cells (negative control,left) and MCF7 cells (right) were intracellularly-stained with Cytokeratin 19 (KRT19) Rabbit mAb (A25546,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



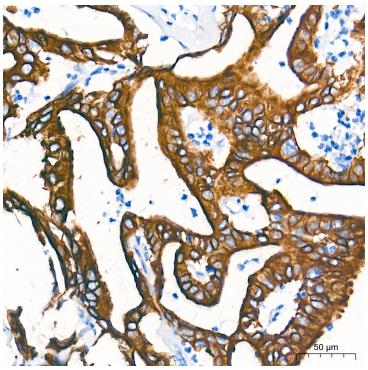
Flow cytometry: 1X10^6 MCF7 cells were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or Cytokeratin 19 (KRT19) Rabbit mAb (A25546,2 µg/mL,right), followed by FITC conjugated goat anti-Rabbit pAb staining.



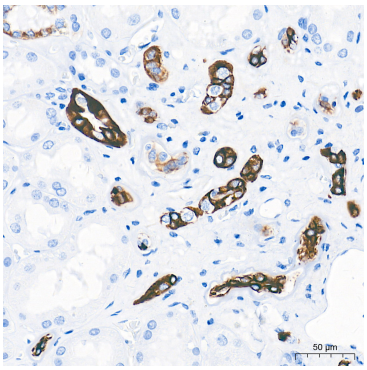
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



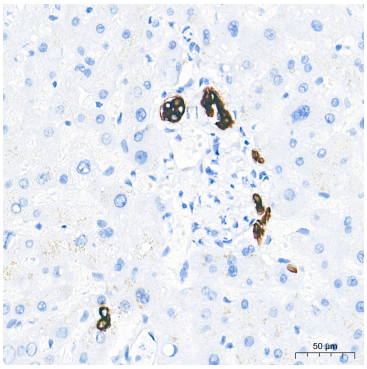
Immunohistochemistry analysis of paraffin-embedded Human hepatocholangiocarcinoma and hepatocellular carcinoma tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



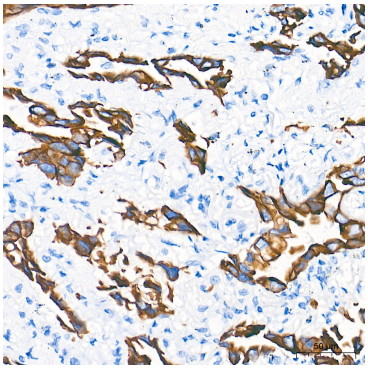
Immunohistochemistry analysis of paraffin-embedded Human hepatocholangiocarcinoma tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



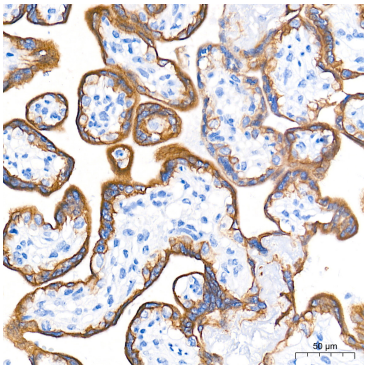
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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



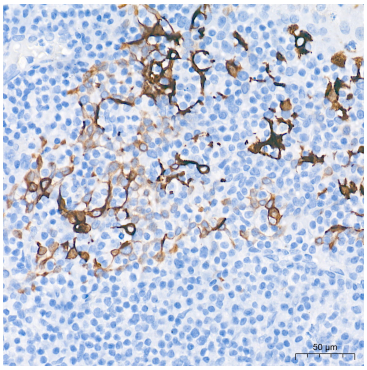
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to



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

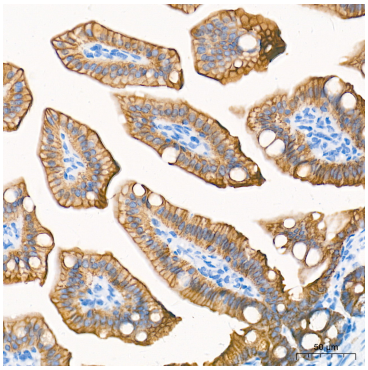
Validation Data

IHC staining.



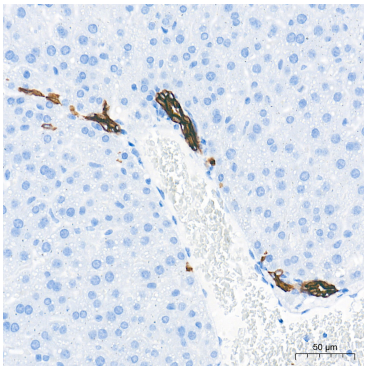
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

IHC staining.

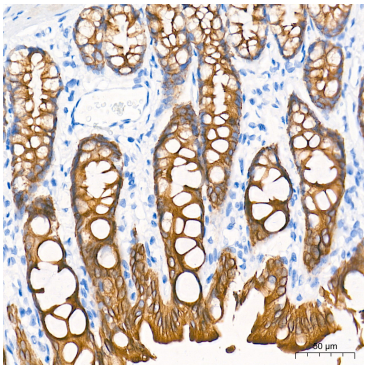


Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

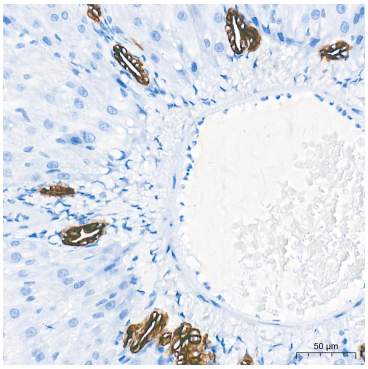
IHC staining.



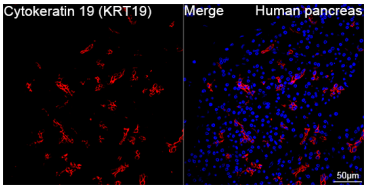
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



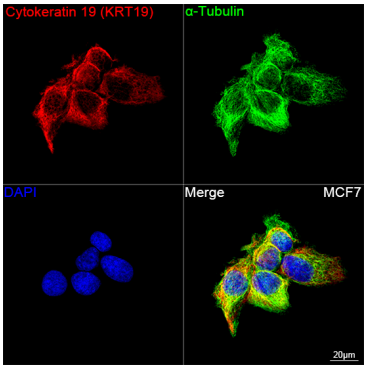
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Cytokeratin 19 (KRT19) Rabbit mAb (A25546) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.