Leader in Biomolecular Solutions for Life Science

Cytokeratin 20 (CK20) Rabbit mAb

Catalog No.: A19041

Recombinant | 2 Publications

www.abclonal.com

Basic Information

Observed MW
48 kDa

Calculated MW
48 kDa

Category
Monoclonal Antibodies

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

Cross Reactivity
Human, Rat

Clone No.
ARC0288

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. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21.

Recommended Dilutions

WB	1:1000 - 1:2000
IF/ICC	1:200 - 1:1000
IF-P	1:200 - 1:400
IHC-P	1:1000 - 1:4000
mIHC	1:1000 - 1:4000

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

Immunogen Information

Gene ID
54474

Swiss-Prot
P35900

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

Synonyms
K20; CD20; KRT20; CK-20; KRT21; Cytokeratin 20 (CK20)

Contact

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Product Information

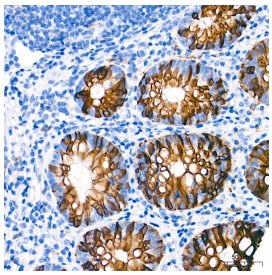
Source
Rabbit

Isotype
IgG

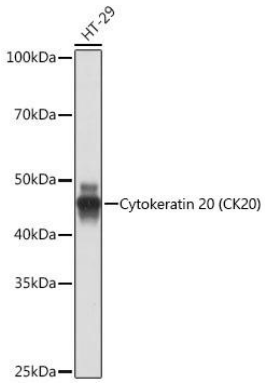
Purity
Affinity purification

Storage
Store at -20℃

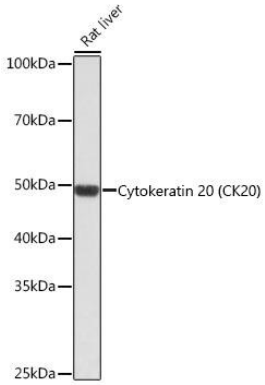
Validation Data



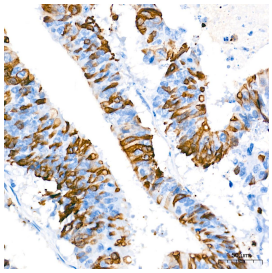
Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



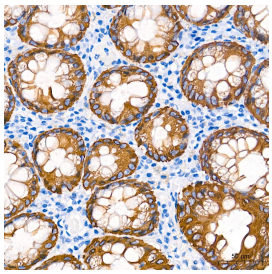
Western blot analysis of lysates from HT-29 cells, using Cytokeratin 20 (CK20) Rabbit mAb (A19041) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



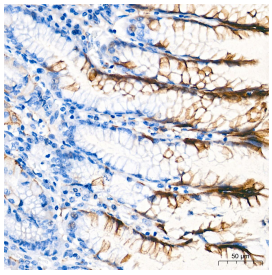
Western blot analysis of lysates from Rat liver, using Cytokeratin 20 (CK20) Rabbit mAb (A19041) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.



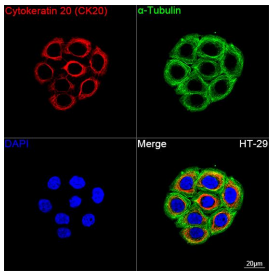
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



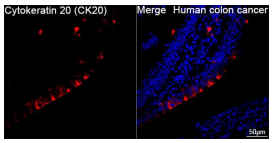
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



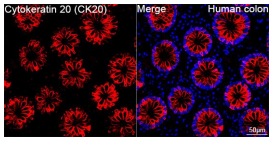
Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



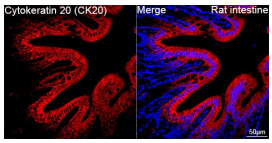
Confocal imaging of HT-29 cells using Cytokeratin 20 (CK20) Rabbit mAb (A19041, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation 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.



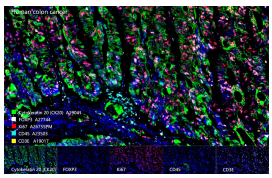
Confocal imaging of paraffin-embedded Human colon cancer tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Human colon tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041, 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 0.01 M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat intestine tissue using Cytokeratin 20 (CK20) Rabbit mAb (A19041, 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 0.01 M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



The multiplex IHC analysis on paraffin-embedded Human colon cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Cytokeratin 20 (CK20) Rabbit mAb (A19041, 1:2000) with TSA-TYR-480 (Green), and FOXP3 Rabbit mAb (A27744, 1:200) with TSA-TYR-520 (White), and [KO Validated] Ki67 Rabbit PolymAb® (A26755PM, 1:5000) with TSA-TYR-570 (Red), and CD45 Rabbit mAb (A23503, 1:1000) with TSA-TYR-620 (Cyan), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.