Cytokeratin AE1 Rabbit mAb

Catalog NO.: A27917 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
59kDa/52kDa/49kDa/51kDa/44kDa

Category
Monoclonal Antibodies

Applications
IF-P, IHC-P, mIHC, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC73321

Background

This gene encodes a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21.

Recommended Dilutions

IF-P	1:200 - 1:1000
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
3858/3861/3866/3868/3880

Swiss Prot
P13645/P02533/P19012/P08779/P08727

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

Synonyms
BIE; EHK; IHL; K10; KPP; BCIE; CK10

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

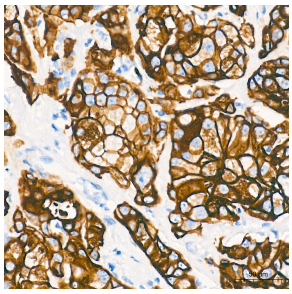
Source
Rabbit

Isotype
IgG

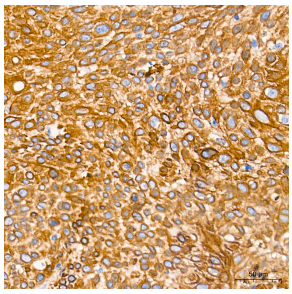
Purification
Affinity purification

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.

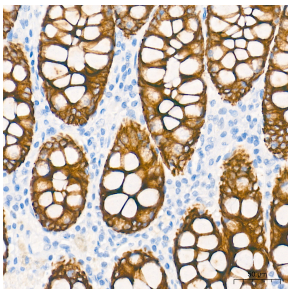
Validation Data



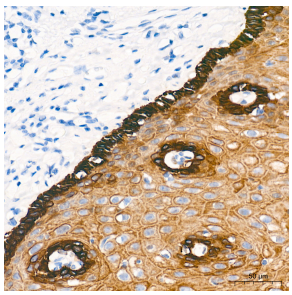
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



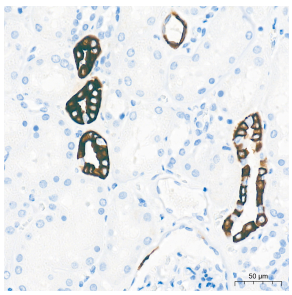
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



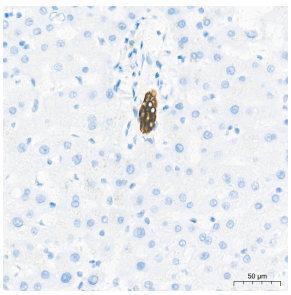
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



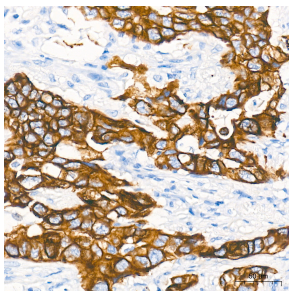
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

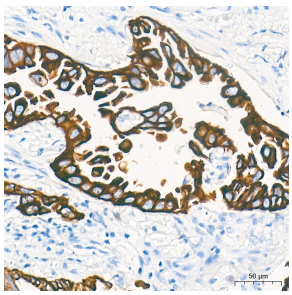


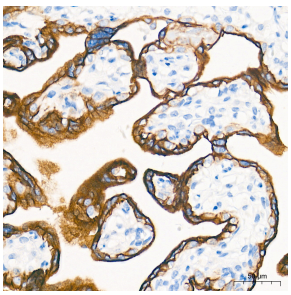
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Cytokeratin AE1 Rabbit mAb (A27917) 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.





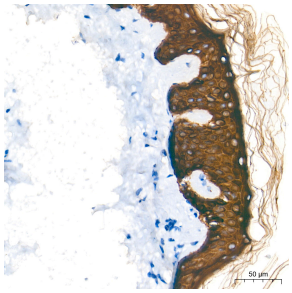


Immunohistochemistry analysis of paraffin-embedded Human lung adeno carcinoma tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

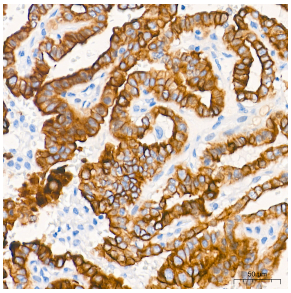
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Cytokeratin AE1 Rabbit mAb (A27917) 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.

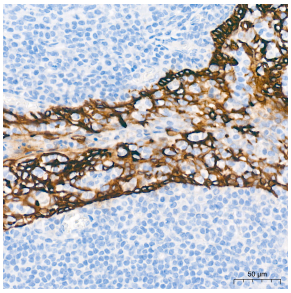
Validation Data



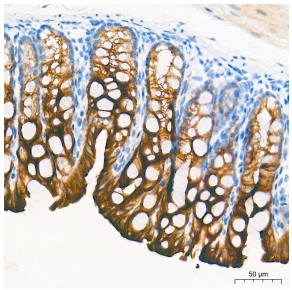
Immunohistochemistry analysis of paraffin-embedded Human skin tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



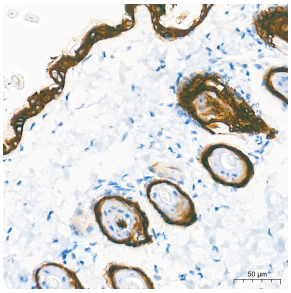
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



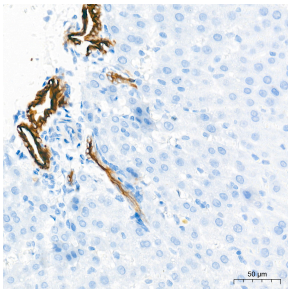
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



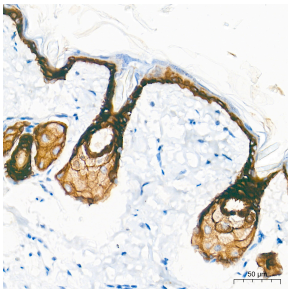
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



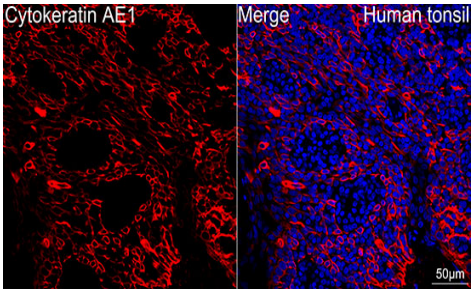
Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



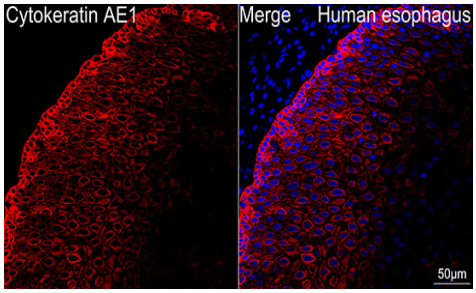
Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat skin tissue using Cytokeratin AE1 Rabbit mAb (A27917) at a dilution of 1:2000 (40x



Confocal imaging of paraffin-embedded Human tonsil tissue using Cytokeratin AE1 Rabbit mAb (A27917, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).



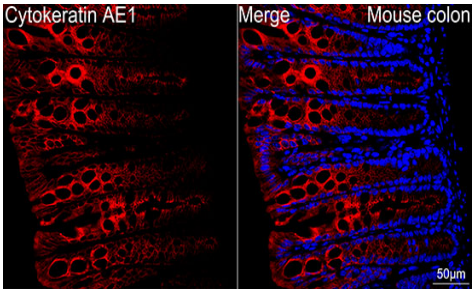
Confocal imaging of paraffin-embedded Human esophagus tissue using Cytokeratin AE1 Rabbit mAb (A27917, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution

lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

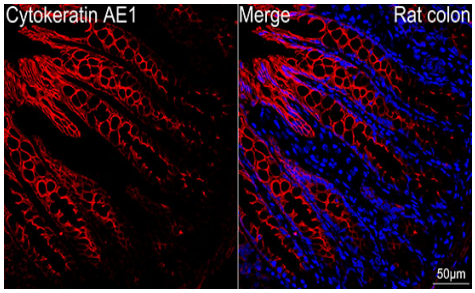
DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

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.

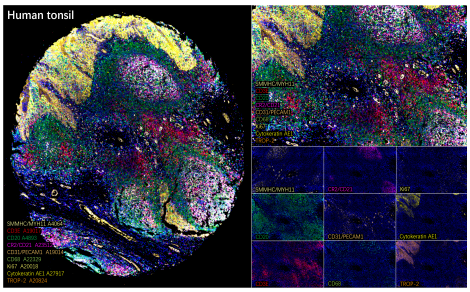
Validation Data



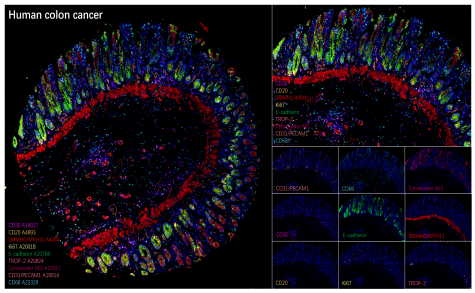
Confocal imaging of paraffin-embedded Mouse colon tissue using Cytokeratin AE1 Rabbit mAb (A27917, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat colon tissue using Cytokeratin AE1 Rabbit mAb (A27917, dilution 1:200) 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.



The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : SMMHC/MYH11 Rabbit mAb (A4064, 1:4000) with TSA-CFP490 (Pale Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-CFP645 (Red), and CD20 Rabbit mAb (A4893, 1:2000) with TSA-CFP555 (Green), and CR2/CD21 Rabbit mAb (A23512, 1:2000) with TSA-CFP645 (Magenta), and CD31/PECAM1 Rabbit mAb (A19014, 1:200) with TSA-CFP645 (Beige), and CD68 Rabbit mAb (A22329, 1:20000) with TSA-CFP490 (Cyan), and [KO Validated] Ki67 Rabbit mAb (A20018, 1:500) with TSA-CFP440 (Light Yellow), and Cytokeratin AE1 Rabbit mAb (A27917, 1:2000) with TSA-CFP440 (Yellow), and TROP-2 Rabbit mAb (A20824, 1:10000) with TSA-CFP440 (Orange). 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.



The multiplex IHC analysis on paraffin-embedded Human colon cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : SMMHC/MYH11 Rabbit mAb (A4064, 1:4000) with TSA-CFP490 (Red), and CD3E Rabbit mAb (A19017, 1:40000) with TSA-CFP645 (Magenta), and CD20 Rabbit mAb (A4893, 1:2000) with TSA-CFP555 (Pale Yellow), and E-Cadherin Rabbit mAb (A20798, 1:1000) with TSA-CFP555 (Green), and CD31/PECAM1 Rabbit mAb (A19014, 1:200) with TSA-CFP645 (Light Coral), and CD68 Rabbit mAb (A22329, 1:20000) with TSA-CFP490 (Cyan), and [KO Validated] Ki67 Rabbit mAb (A20018, 1:500) with TSA-CFP440 (Light Yellow), and Cytokeratin AE1 Rabbit mAb (A27917, 1:2000) with TSA-CFP440 (Magentaw), and TROP-2 Rabbit mAb (A20824, 1:10000) with TSA-CFP440 (Magenta). 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.

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