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[KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb

Catalog No.: A27230 KO Validated Recombinant

Basic Information

Observed MW
54 kDa

Calculated MW
54 kDa/56 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse

CloneNo number
ARC3399

Background

This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB	1:50000 - 1:300000
IF/ICC	1:200 - 1:1000
IF-P	1:200 - 1:1000
IHC-P	1:10000 - 1:20000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3856

Swiss Prot
P05787

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

Synonyms
K8; KO; CK8; CK-8; CYK8; K2C8; CARD2

Contact

400-999-6126

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Product Information

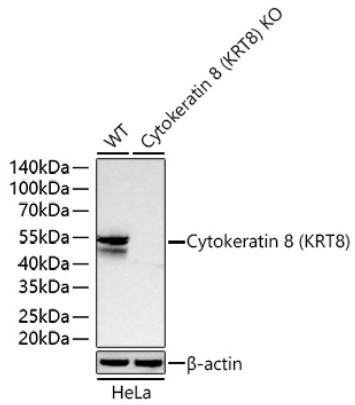
Source
Rabbit

Isotype
IgG

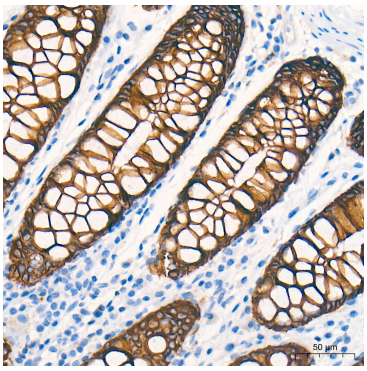
Purification
Affinity purification

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.

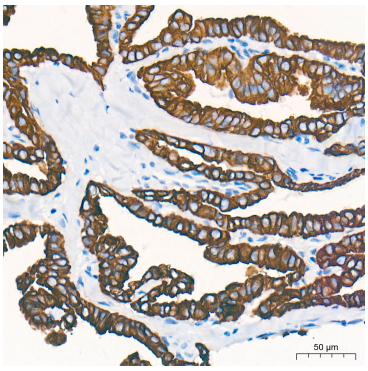
Validation Data



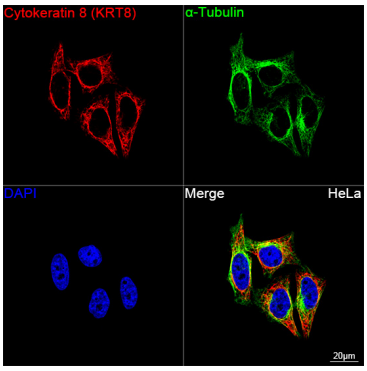
Western blot analysis of lysates from wild type (WT) and Cytokeratin 8 (KRT8) knockout (KO) HeLa cells using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230) at 1:50000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



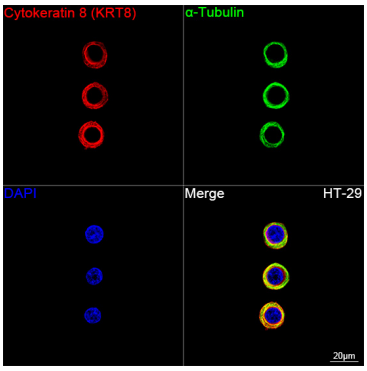
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



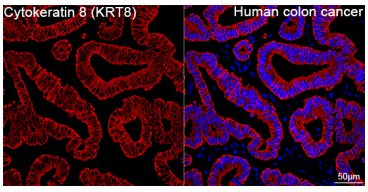
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



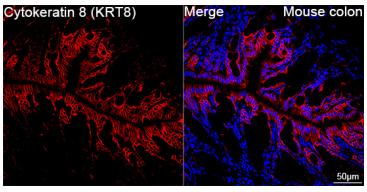
Confocal imaging of HeLa cells using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation 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 HT-29 cells using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230, dilution 1:200) followed by a further incubation with Cy3 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,



Confocal imaging of paraffin-embedded Human colon cancer tissue using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230, 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



Confocal imaging of paraffin-embedded Mouse colon tissue using [KO Validated] Cytokeratin 8 (KRT8) Rabbit mAb (A27230, 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

Validation Data

dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

staining. Objective: 40x.

staining. Objective: 40x.