

[KO Validated] Cytokeratin 8 (KRT8) Rabbit pAb

Catalog No.: A1024SP

KO Validated

7 Publications

Basic Information

Observed MW

55 kDa/54 kDa

Calculated MW

54 kDa/57 kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

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 - 1:250000**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. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

3856

Swiss Prot

P05787

Immunogen

This information is considered to be commercially sensitive.

Synonyms

K8; KO; CK8; CK-8; CYK8; K2C8; CARD2; Cytokeratin 8 (KRT8)

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

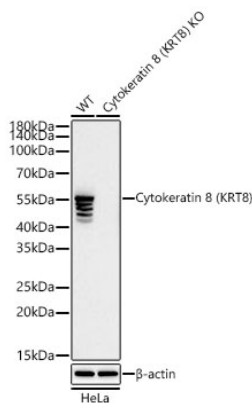
Contact

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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 pAb (A1024SP) at 1:150000 dilution incubated at room temperature for 1.5 hours.

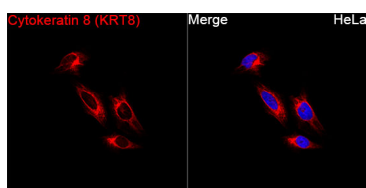
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

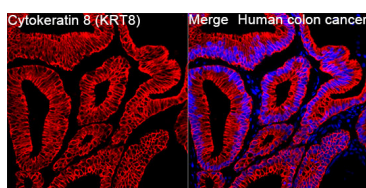
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

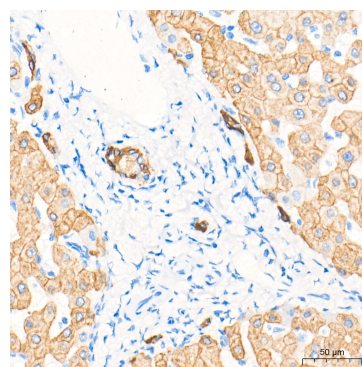
Exposure time: 5 s.



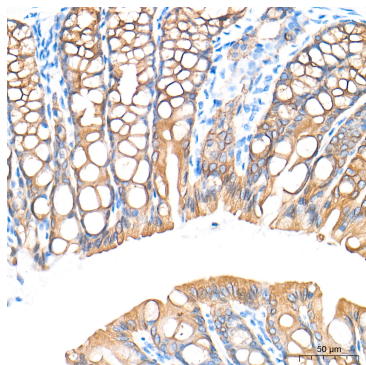
Immunofluorescence analysis of HeLa cells using [KO Validated] Cytokeratin 8 (KRT8) Rabbit pAb (A1024SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Human colon cancer tissue using [KO Validated] Cytokeratin 8 (KRT8) Rabbit pAb (A1024SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KO Validated] Cytokeratin 8 (KRT8) Rabbit pAb (A1024SP) at a dilution of 1:13000 (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 [KO Validated] Cytokeratin 8 (KRT8) Rabbit pAb (A1024SP) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.