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Cytokeratin 8 Rabbit mAb

Catalog No.: A23133 Recombinant

Basic Information

Observed MW
55 kDa

Calculated MW
54 kDa/56 kDa

Category
Primary antibody

Applications
WB,IF/ICC,mIHC,FC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC58354

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	1:2000 - 1:200000
IF/ICC	1:200 - 1:800
mIHC	1:50 - 1:200
FC	1:500 - 1:1000
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
Recombinant protein (or fragment).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℃. 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.

Contact

400-999-6126

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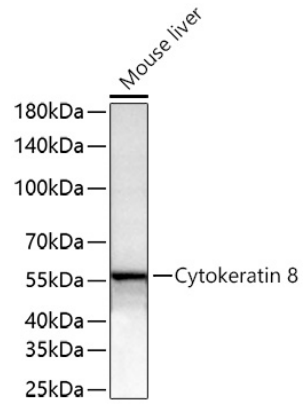
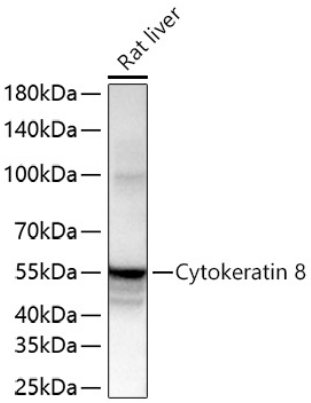
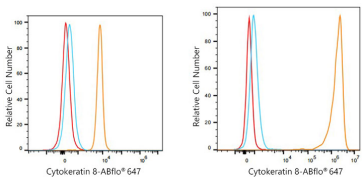
Validation Data



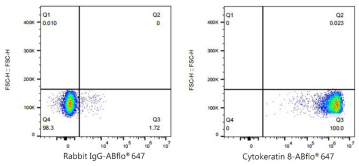
Western blot analysis of lysates from Mouse liver using Cytokeratin 8 Rabbit mAb (A23133) at 1:6000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



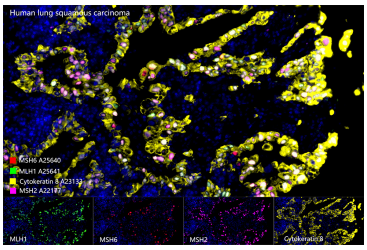
Western blot analysis of lysates from Rat liver using Cytokeratin 8 Rabbit mAb (A23133) at 1:6000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



Flow cytometry: 1X10^6 Jurkat cells (Low Expression,left) and HeLa cells (right) were surface-stained with Cytokeratin 8 mAb (A23133,2 µg/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

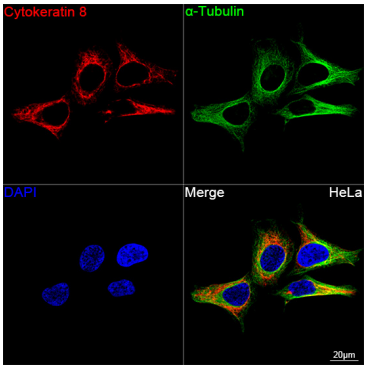


Flow cytometry: 1X10^6 HeLa cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or Cytokeratin 8 mAb (A23133,2 µg/mL,right).



The multiplex IHC analysis on paraffin-embedded Human lung squamous carcinoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : [KO Validated] MLH1 Rabbit mAb (A25641, 1:100) with TSA-TYR-520 (Green), and [KO Validated] MSH6 Rabbit mAb (A25640, 1:1000) with TSA-TYR-570 (Red), and [KO Validated] MSH2 Rabbit mAb (A22177, 1:500) with TSA-TYR-620 (Magenta), and Cytokeratin 8 Rabbit mAb (A23133, 1:100) 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

Validation Data



Confocal imaging of HeLa cells using Cytokeratin 8 Rabbit mAb (A23133, 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.

analysis was completed using a 40x objective lens.