



Cytokeratin 8 Rabbit mAb

Catalog No	YP-rAb-17943
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	KRT8 CYK8
Protein Name	CARD2;CK 8;CK-8;CK8;CYK8;CYKER;Cytokeratin endo A;Cytokeratin-8;DreK8;EndoA;K2C8;K2C8_HUMAN;K8;Keratin 8;Keratin type II cytoskeletal 8;Keratin, type II cytoskeletal 8;Keratin-8;KO;Krt 2.8;KRT8;MGC118110;MGC174782;MGC53564;MGC85764;sb:cb186;Type-II keratin Kb8
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200, Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	CARD2 ; CK 8 ; CK-8 ; CK8 ; CYK8 ; CYKER ; Cytokeratin endo A ; Cytokeratin-8 ; DreK8 ; EndoA ; K2C8 ; K2C8_HUMAN ; K8 ; Keratin 8 ; Keratin type II cytoskeletal 8 ; Keratin, type II cytoskeletal 8 ; Keratin-8 ; KO ; Krt 2.8 ; KRT8 ; MGC118110 ; MGC174782 ; MGC53564 ; MGC85764 ; sb:cb186 ; Type-II keratin Kb8
Observed Band	54kD
Calculated Molecular Weight	54kD
Cell Pathway	Cytoplasm . Nucleus, nucleoplasm . Nucleus matrix .
Tissue Specificity	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin . Expressed in gingival mucosa and hard palate of the oral cavity.
Function	Disease:Defects in KRT8 are a cause of cryptogenic cirrhosis [MIM:215600].Function:Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.,miscellaneous:There are two types of cytoskeletal and microfibrillar

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CCK8试剂盒、QPCR检测试剂盒

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ELISA检测及定制服务|生化检测|PCR、QPCR检测|WB检测
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keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,PTM:O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.,PTM:Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. keratin-8 associates with keratin-18. Associates with KRT20. Interacts with HCV core protein and PNN. When associated with KRT19, interacts with DMD. Interacts with TCHP.,tissue specificity:Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.,

Background

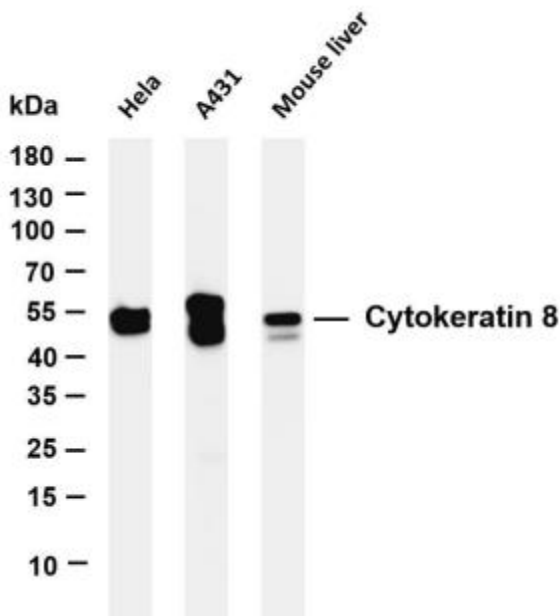
keratin 8(KRT8) Homo sapiens This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 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. [provided by RefSeq, Jan 2012],

matters needing attention

Avoid repeated freezing and thawing!

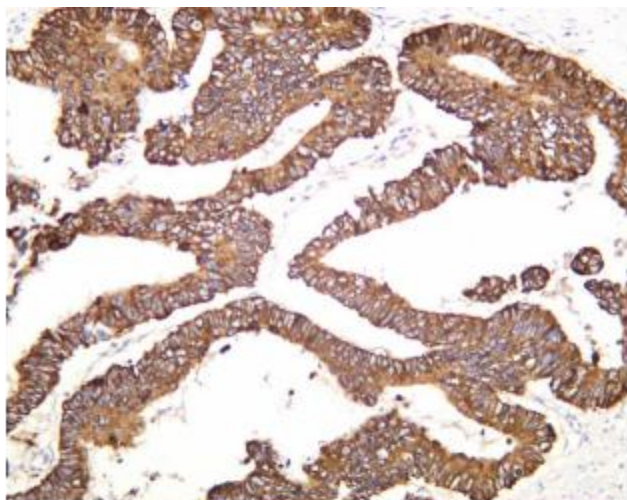
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

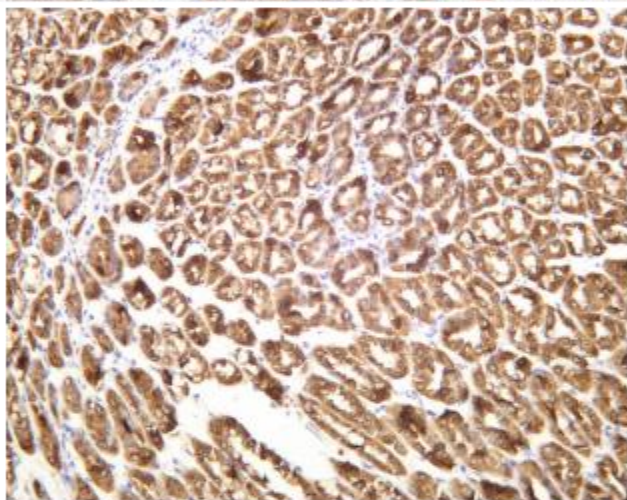


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cytokeratin 8 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: A431 Lane 3: Mouse liver Predicted band size: 54kDa Observed band size: 54kDa

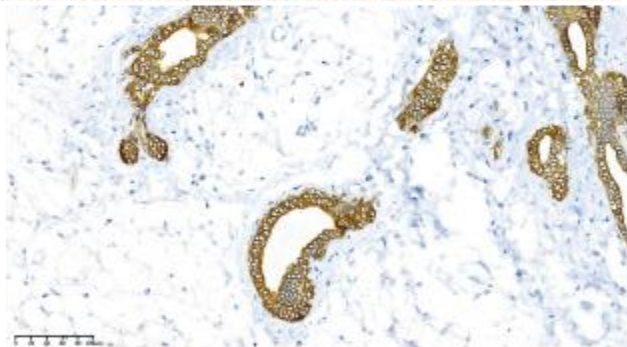




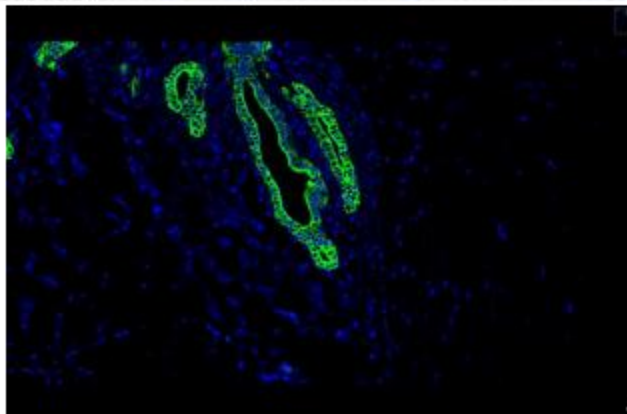
Human colon carcinoma was stained with anti-Cytokeratin 8 rabbit antibody



Mouse stomach was stained with anti-Cytokeratin 8 rabbit antibody



Mouse mammary gland was stained with anti-Cytokeratin 8 Rabbit antibody



Mouse mammary gland was stained with anti-Cytokeratin 8 Rabbit antibody

