

Cytokeratin 8 (PT0166R) PT™ Rabbit mAb

CatalogNo: YM8100 **Recombinant** 

★IHC

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 54kD (Calculated)
- 54kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

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,

Basic Information

Clonality Monoclonal

Clone Number PT0166R

Immunogen Information

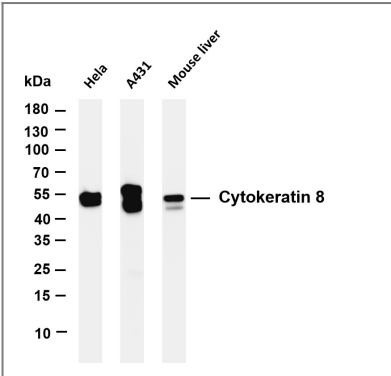
Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity Endogenous

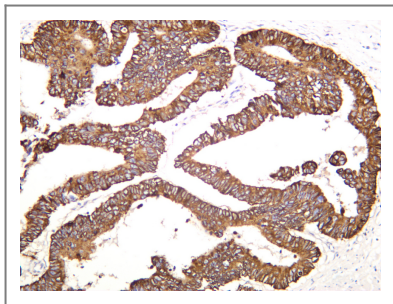
Target Information

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		
	Organism	Gene ID	UniProt ID
	Human	3856;	P05787;
	Mouse	16691;	P11679;
	Rat	25626;	Q10758;
Cellular Localization	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 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. ,		

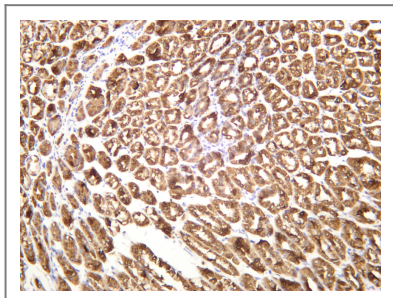
Validation Data



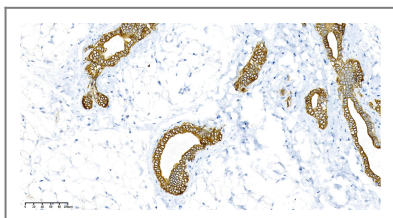
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cytokeratin 8 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: A431 Lane 3: Mouse liver Predicted band size: 54kDa Observed band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



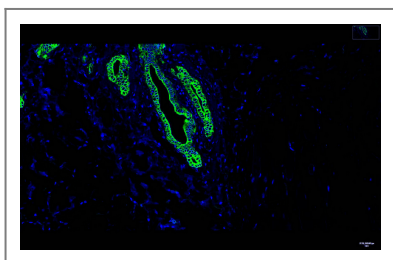
Human colon carcinoma was stained with anti-Cytokeratin 8 rabbit antibody



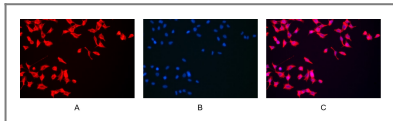
Mouse stomach was stained with anti-Cytokeratin 8 rabbit antibody



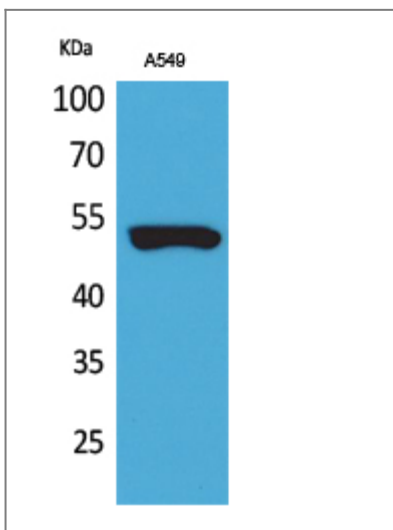
Mouse mammary gland was stained with anti-Cytokeratin 8 Rabbit antibody



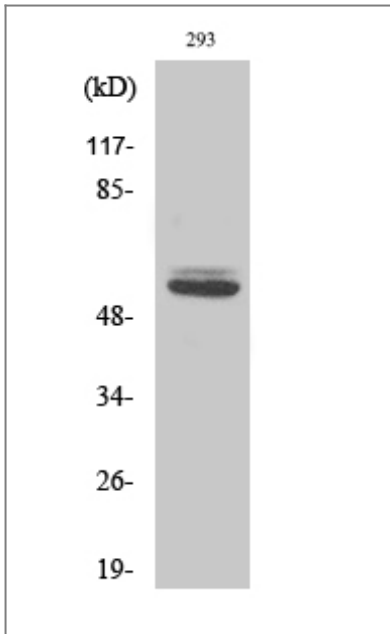
Mouse mammary gland was stained with anti-Cytokeratin 8 Rabbit antibody



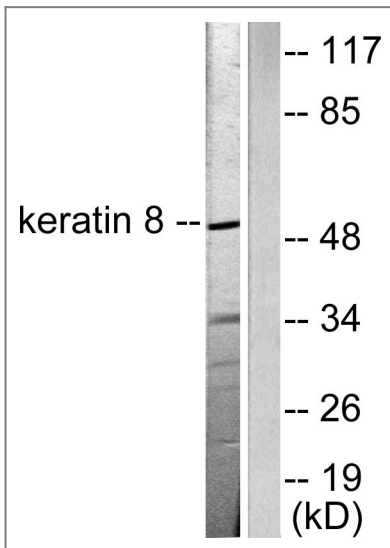
Immunofluorescence analysis of HEK293. Picture A: Cytokeratin 8 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B



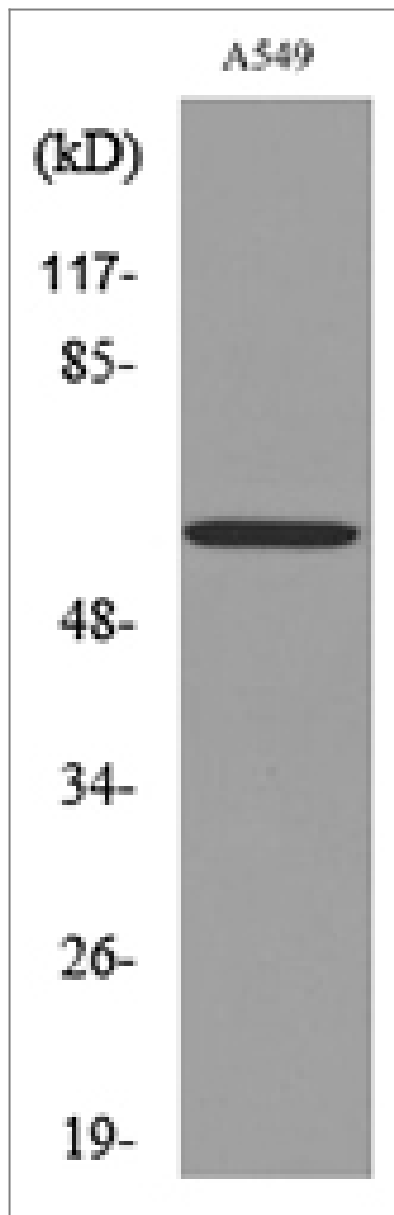
Western Blot analysis of A549 cells using Cytokeratin 8 Antibody. Secondary antibody (catalog#:RS0002) was diluted at 1:20000



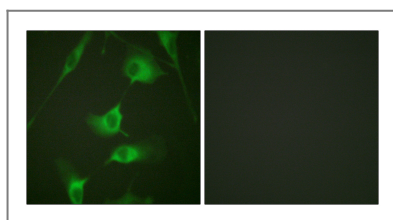
Western Blot analysis of 293 cells using Cytokeratin 8 Antibody diluted at 1:2000



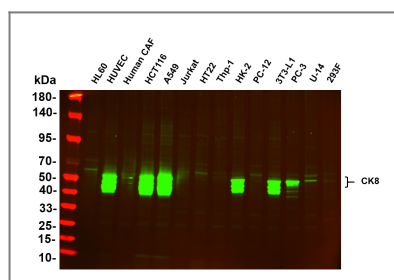
Western blot analysis of lysates from SKOV3 cells, using Keratin 8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of extracts from A549 cells, using K8 (Ab-483) Antibody.



Immunofluorescence analysis of HeLa cells, using Keratin 8 Antibody. The picture on the right is blocked with the synthesized peptide.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:2500 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane1: HL60 - Human promyelocytic leukemia cell Lane2: HUVEC - Human umbilical vein endothelial cell Lane3: Human CAF - Human cancer-associated fibroblast Lane4: HCT116 - Human colorectal carcinoma Lane5: A549 - Human lung carcinoma Lane6: Jurkat - Human T lymphocyte leukemia Lane7: HT22 - Mouse hippocampal neuronal Lane8: Thp-1 - Human monocytic leukemia Lane9: HK-2 - Human proximal tubular epithelial Lane10: PC-12 - Rat adrenal pheochromocytoma Lane11: 3T3-L1 - Mouse embryonic fibroblast Lane12: PC-3 - Human prostate adenocarcinoma Lane13: U-14 - Mouse cervical carcinoma Lane14: 293F - HEK293 derivative, adapted for suspension culture Predicted band size: 52kDa Observed band size: 52kDa

| Contact information

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Please scan the QR code
to access additional
product information:

Cytokeratin 8
(PT0166R) PT™
Rabbit mAb

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