

Cytokeratin 7 (PT0375R) PT™ Rabbit mAb

CatalogNo: YM8226 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 51kD (Calculated)
- 55kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:1000-1:2000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

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

Basic Information

Clonality Monoclonal

Clone Number PT0375R

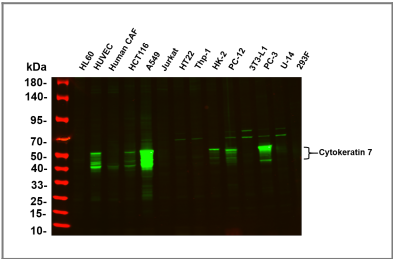
Immunogen Information

Specificity Endogenous

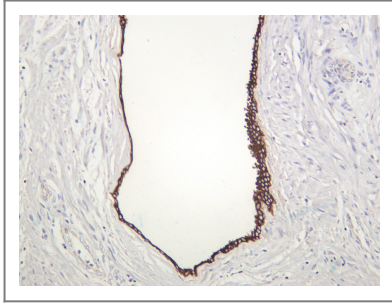
Target Information

Gene name	KRT7 SCL		
Protein Name	CK 7;CK-7;CK7;Cytokeratin 7;Cytokeratin-7;D15Wsu77e;K2C7;K2C7_HUMAN;K7;Keratin 7;Keratin 7, type II;Keratin type II cytoskeletal 7;Keratin, 55K type II cytoskeletal;Keratin, simple epithelial;Keratin, simple epithelial type I, K7;Keratin, type II cytoskeletal 7;Keratin-7;Krt2-7;KRT7;MGC11625;MGC129731;MGC3625;Sarcolectin;SCL;Type II mesothelial keratin K7;Type-II keratin Kb7		
	Organism	Gene ID	UniProt ID
	Human	3855;	P08729;
	Mouse	110310;	Q9DCV7;
	Rat	300242;	Q6IG12;
Cellular Localization	Cytoplasm		
Tissue specificity	Pancreas		
Function	Function:Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).,induction:Up-regulated by retinoic acid.,mass spectrometry: PubMed:11840567,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,PTM:Arg-20 is dimethylated, probably to asymmetric dimethylarginine.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. Interacts with eukaryotic translation initiator factor 3 (eIF3) subunit EIF3S10 and with HPV16 E7.,tissue specificity:Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.,		

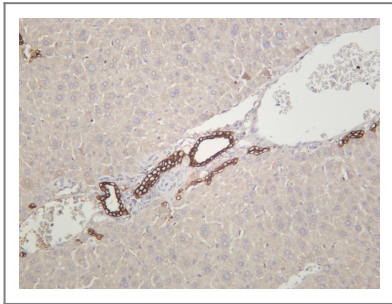
Validation Data



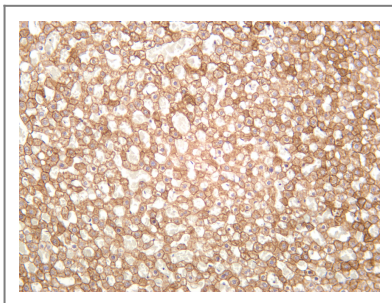
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:2500 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody. Lane1: HL60 - Human promyelocytic leukemia cell Lane2: HUVEC - 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: 51kDa Observed band size: 51-55kDa



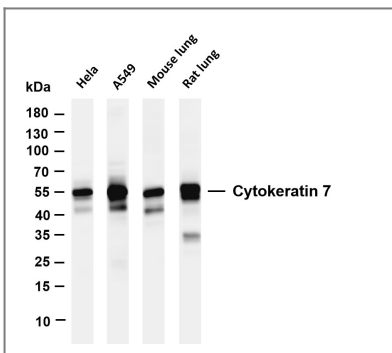
Human prostate was stained with anti-Cytokeratin 7 rabbit antibody



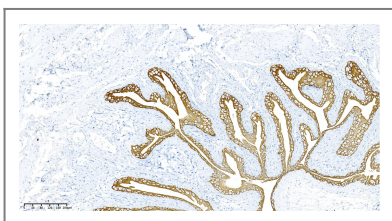
Mouse liver was stained with anti-Cytokeratin 7 rabbit antibody



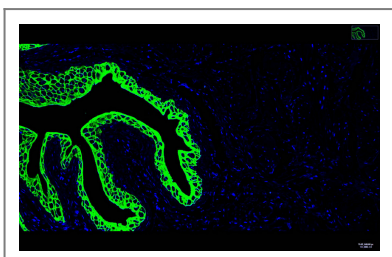
Rat liver was stained with anti-Cytokeratin 7 rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cytokeratin 7 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: A549 Lane 3: Mouse lung Lane 4: Rat lung Predicted band size: 51kDa Observed band size: 55kDa



Rat bladder was stained with anti-Cytokeratin 7 Rabbit antibody



Rat bladder was stained with anti-Cytokeratin 7 Rabbit antibody

| Contact information

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Please scan the QR code
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product information:

**Cytokeratin 7
(PT0375R) PT™
Rabbit mAb**

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