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Product datasheet for UM800056CF

Cytokeratin 7 (KRT7) Mouse Monoclonal Antibody [Clone ID: UMAB161]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB161
Applications:	IF, IHC, WB
Recommended Dilution:	IHC 1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-114 and 340-469 of human KRT7 (NP_005547) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51.2 kDa
Gene Name:	keratin 7
Database Link:	NP_005547 Entrez Gene 3855 Human P08729

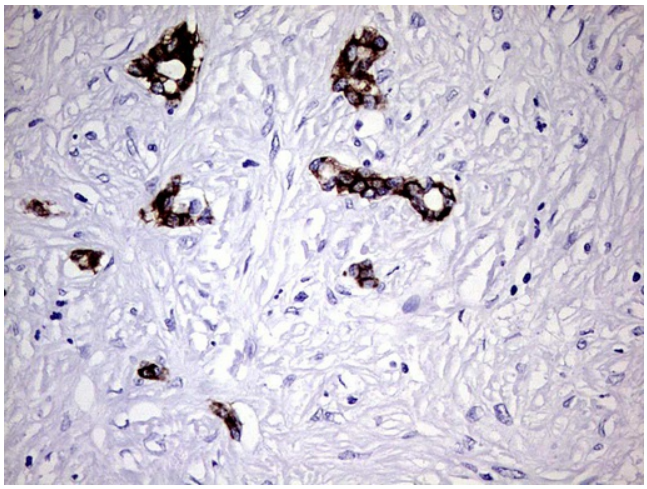
View online »

Background: The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

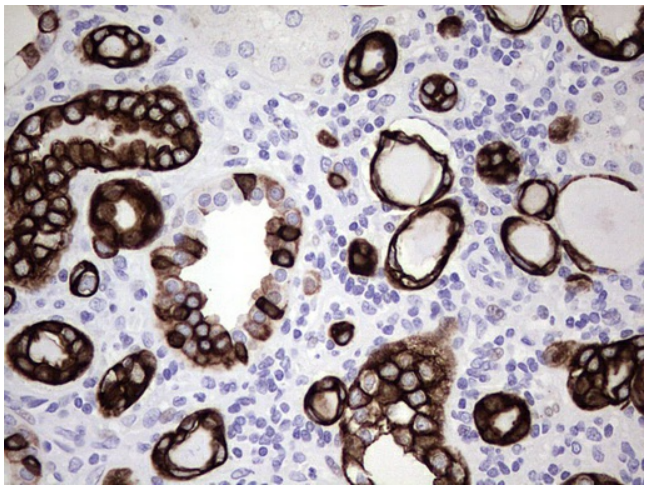
Synonyms: CK7; K2C7; K7; SCL

Protein Families: ES Cell Differentiation/IPS

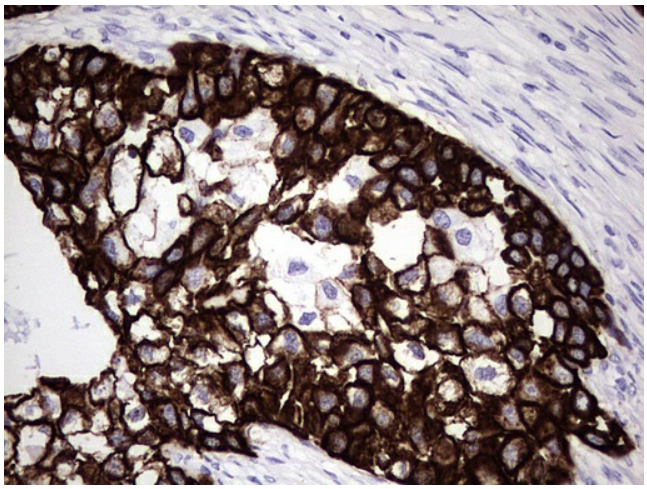
Product images:



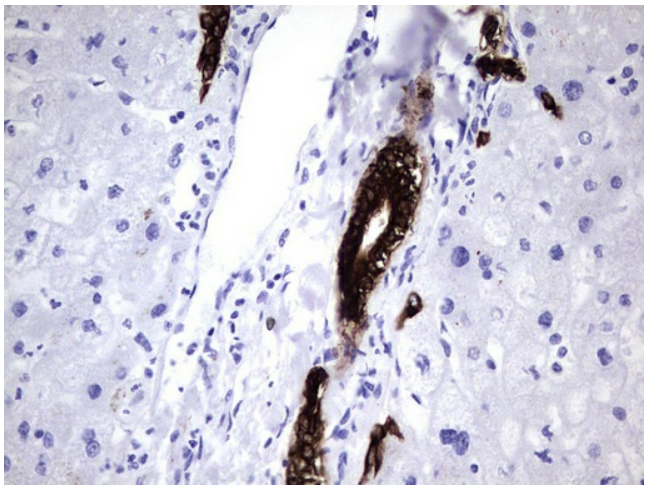
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



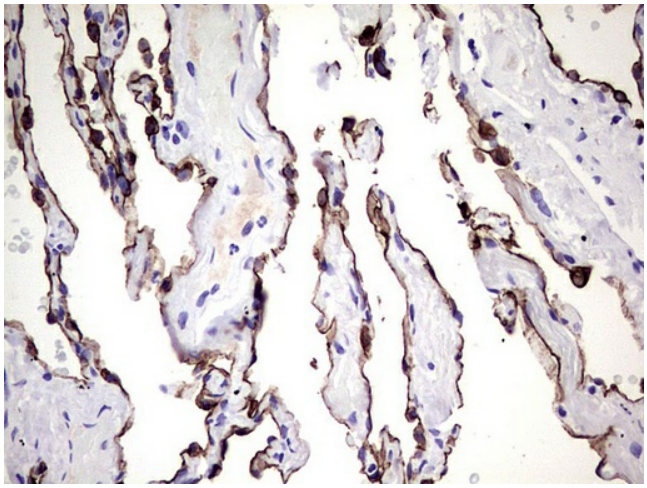
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



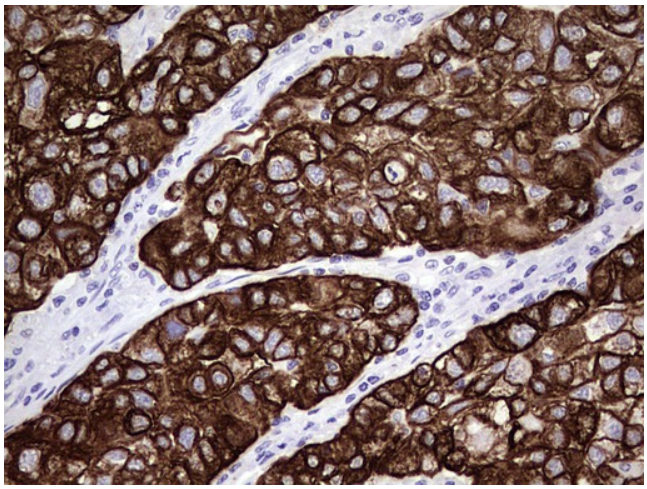
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



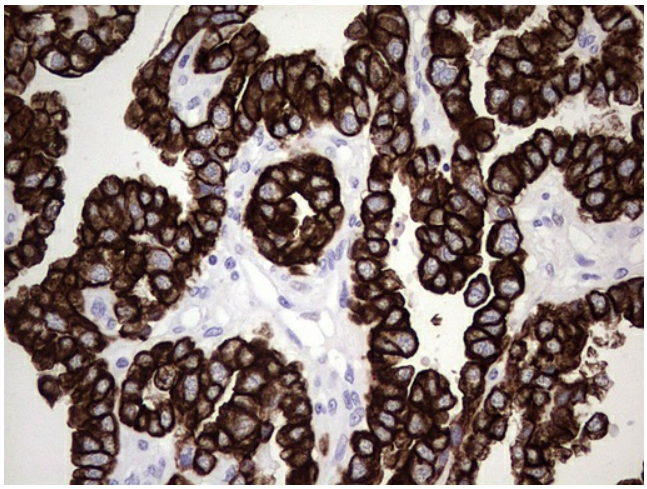
Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



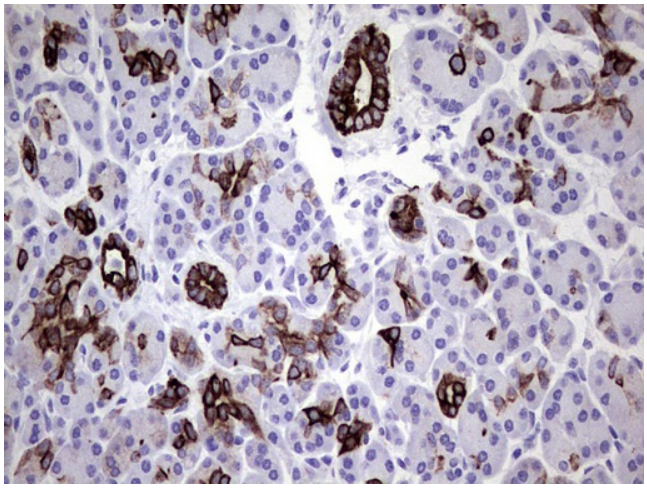
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



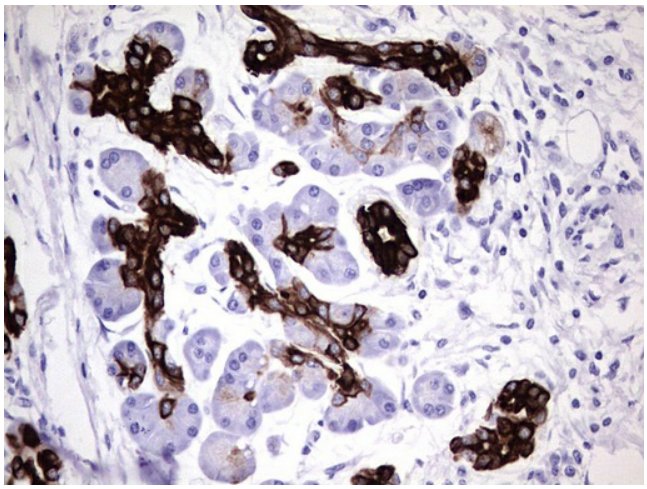
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



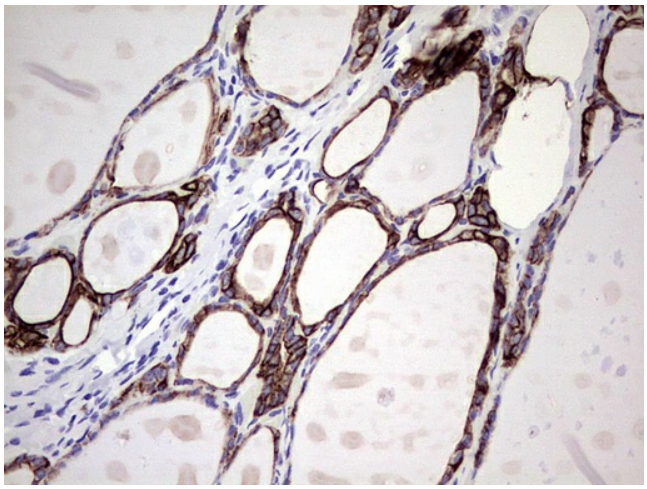
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



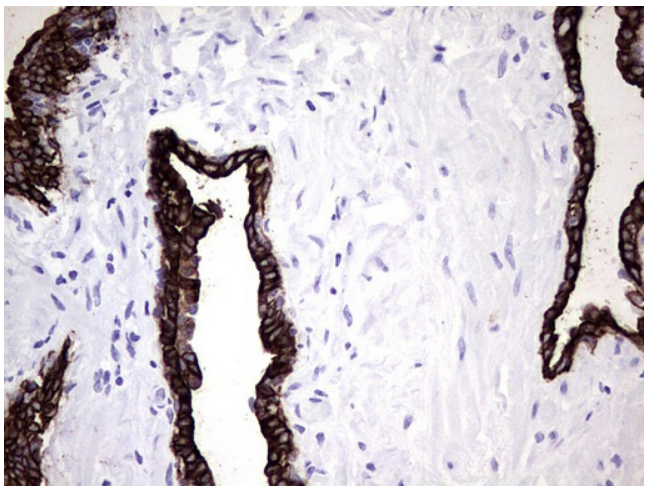
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



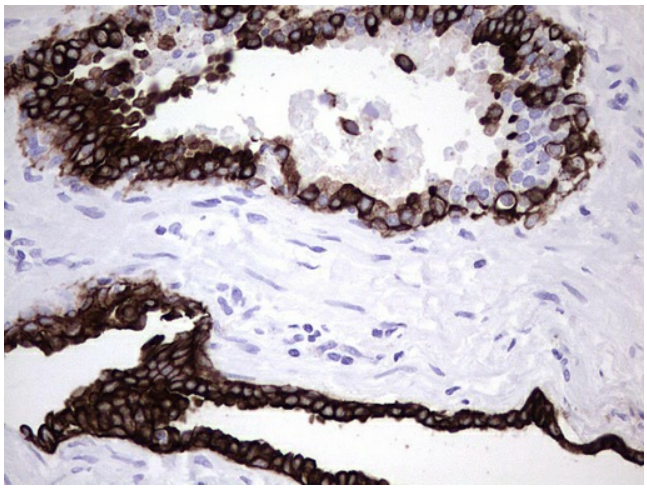
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



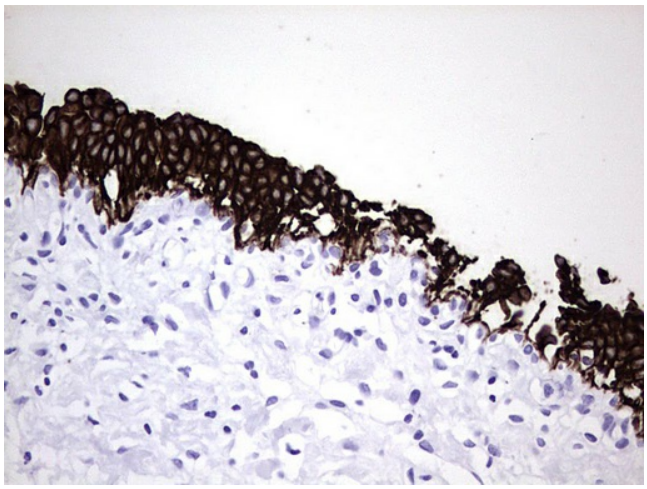
Immunohistochemical staining of paraffin-embedded Human thyroid tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



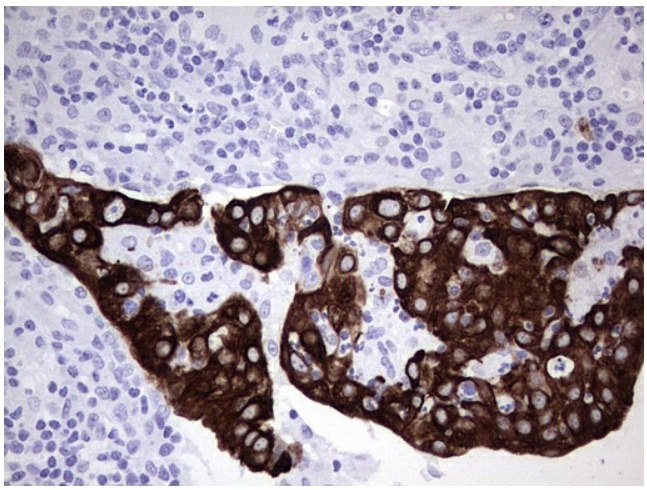
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



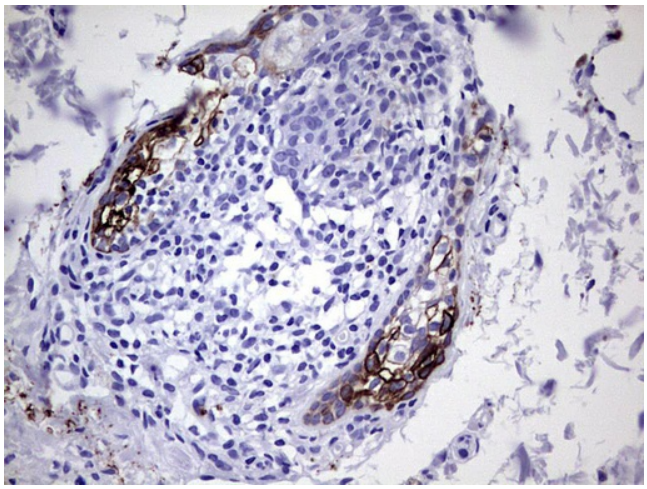
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



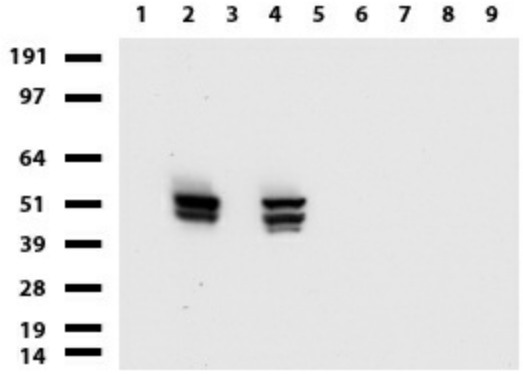
Immunohistochemical staining of paraffin-embedded Human bladder tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



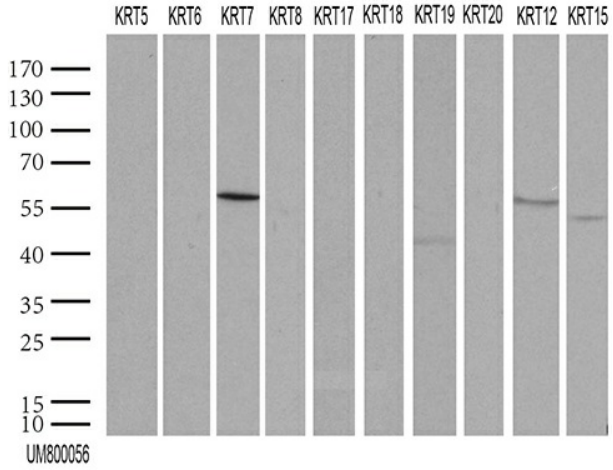
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



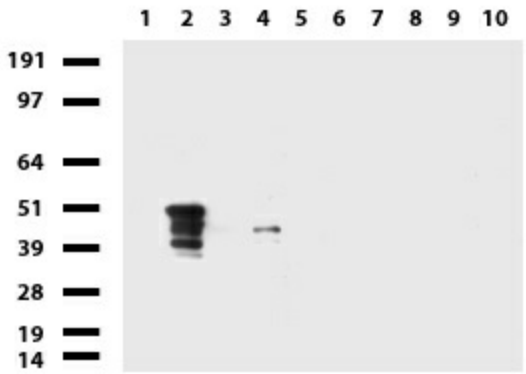
Immunohistochemical staining of paraffin-embedded Human skin tissue using anti-KRT7 mouse monoclonal antibody. ([UM800056], heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



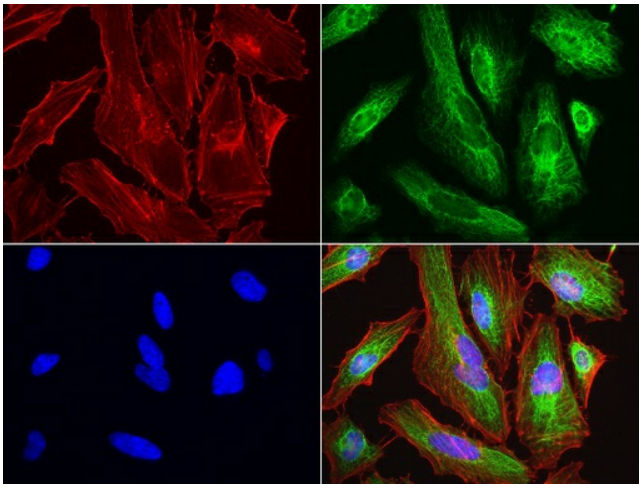
Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549. 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



HEK293T were transfected with 55 different plasmids of CK cDNA (1, 2, 4, 5, 6a, 6b, 6c, 7, 8, 9, 12, 13, 14, 15, 16, 17, 18 v1, 18 v2, 19, 20, 24, 25, 26, 27, 28, 31, 32, 33a, 33b, 34, 35, 36, 37, 38, 39, 40, 71, 72 v1, 72 v3, 73, 74, 75, 76, 77, 78, 79, 80 v1, 80 v2, 81, 82, 83, 84, 85, 86 and 222) for 48 hrs and lysed. Cell lysates (5 ug per lane) were separated by SDS-PAGE and blotted with KRT19 antibody. KRT12, 19, 25, 26, 27, 28 and 39 were positive, while all others were negative (1:500).



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Diluation: 1:500.



Immunofluorescent staining of HeLa cells using anti-KRT7 mouse monoclonal antibody ([UM800056], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).