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Product datasheet for UM800078

Cytokeratin 19 (KRT19) Mouse Monoclonal Antibody [Clone ID: UMAB186]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB186
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 240-390 of human KRT19 (NP_002267) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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:	43.9 kDa
Gene Name:	keratin 19
Database Link:	NP_002267 Entrez Gene 3880 Human P08727

View online »

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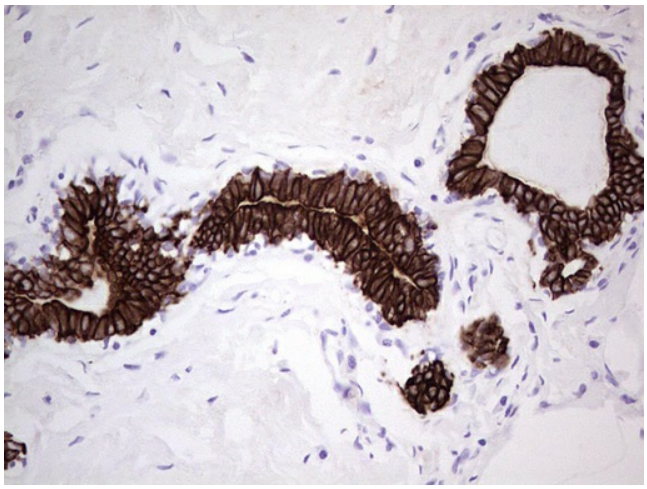
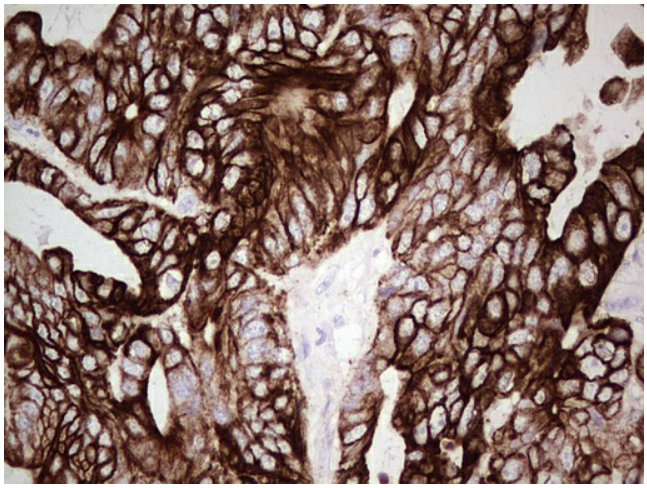
Background: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]

Synonyms: CK19; K1CS; K19

Product images:



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)

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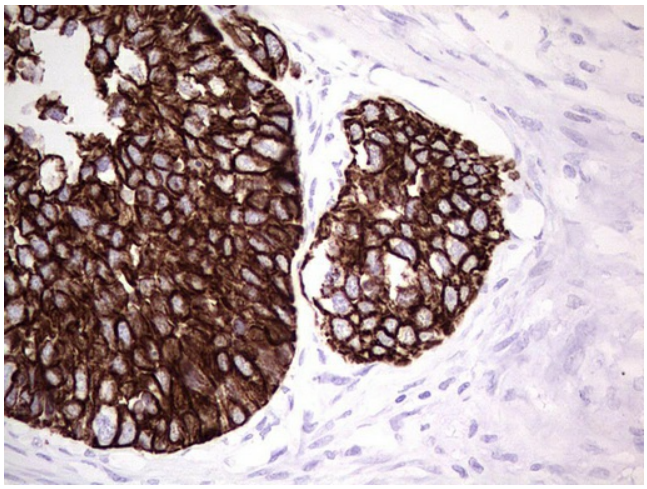
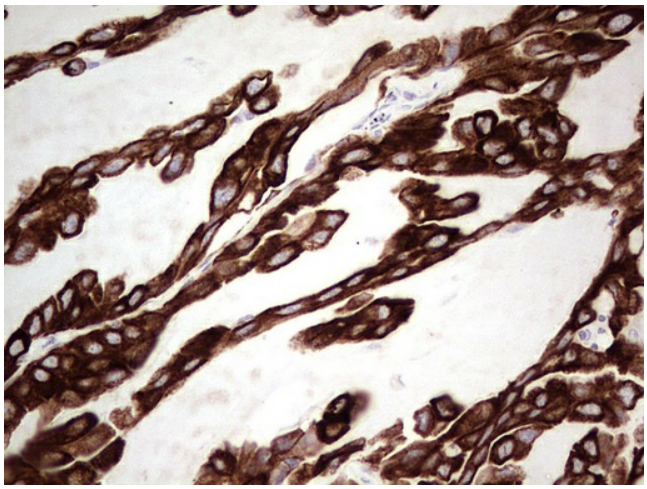
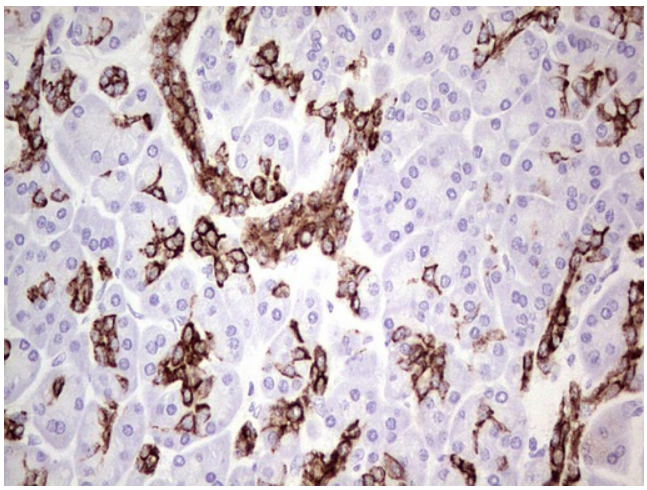


Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)

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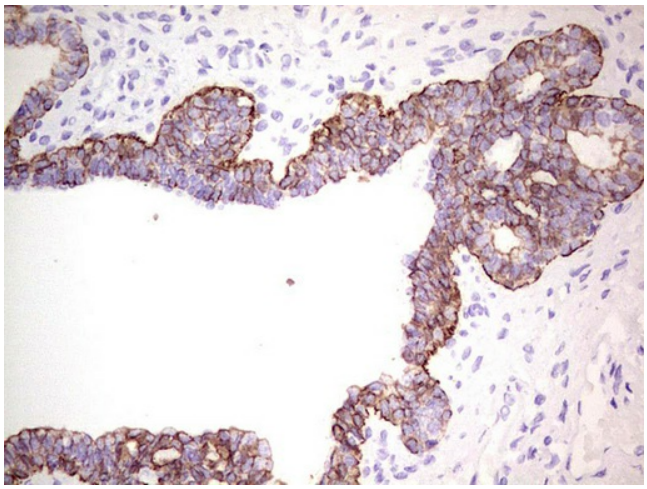
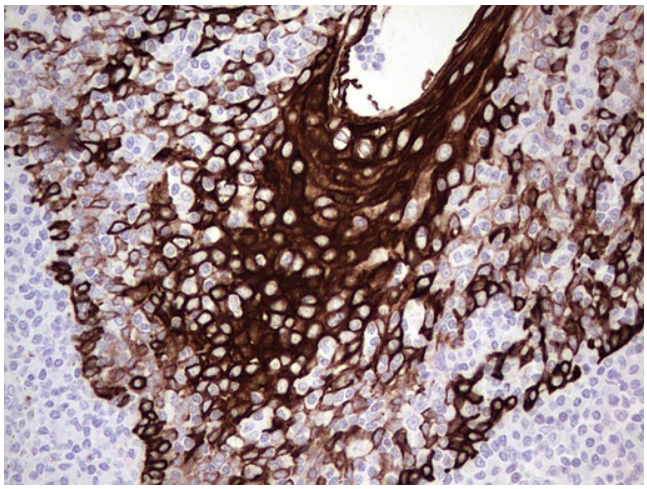
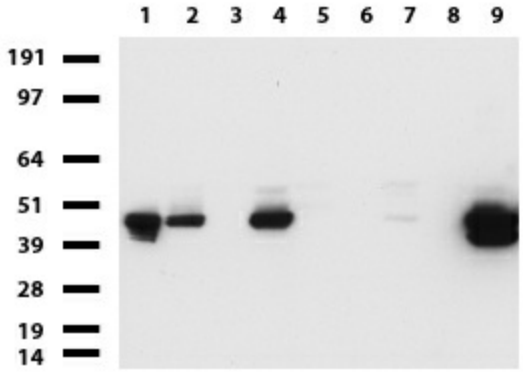


Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)



Immunohistochemical staining of paraffin-embedded Human tonsil using anti-KRT19 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3min, UM800078) (1:200)



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).

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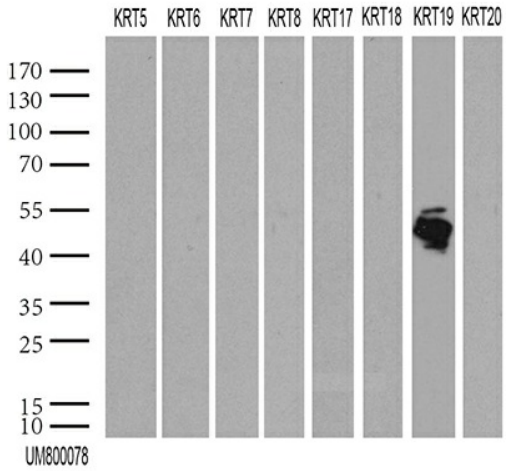
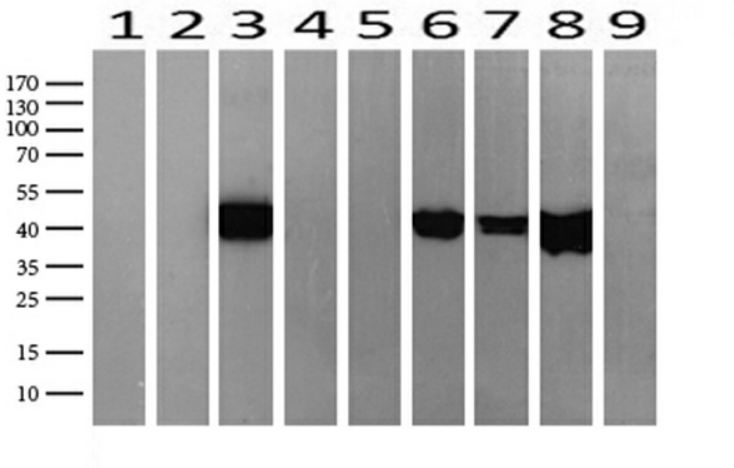
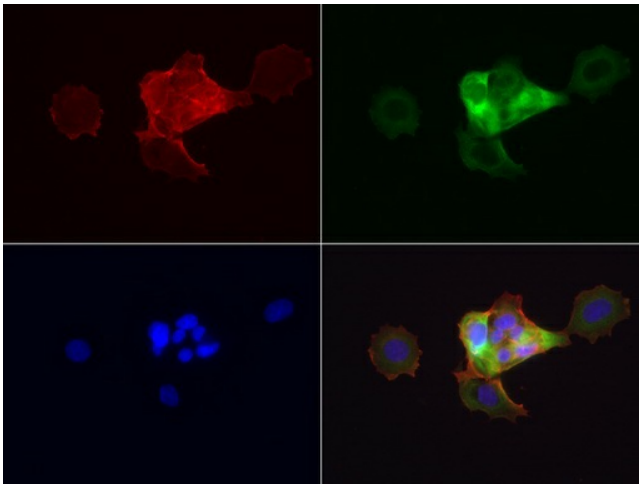


HEK293T were transfected with 55 different plasmids of CK cDNA (1, 2, 4, 5, 6a, 6b, 6c, 7, 8, 9, 12, 13, 14, 15, 16, 17, 18 v1, 18 v2, 19, 20, 24, 25, 26, 27, 28, 31, 32, 33a, 33b, 34, 35, 36, 37, 38, 39, 40, 71, 72 v1, 72 v3, 73, 74, 75, 76, 77, 78, 79, 80 v1, 80 v2, 81, 82, 83, 84, 85, 86 and 222) for 48 hrs and lysed. Cell lysates (5 ug per lane) were separated by SDS-PAGE and blotted with KRT19 antibody. Only KRT19 was positive, while all the thers were negative (1:2000).



Western blot analysis of extracts (15ug) from 9 Human tissue by using anti-KRT19 monoclonal antibody (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: colon:;9:Spleen). (1:500) Dilution: 1:500



Immunofluorescent staining of MCF-7 cells using anti-KRT19 mouse monoclonal antibody (UM800078, green, 1:100). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).

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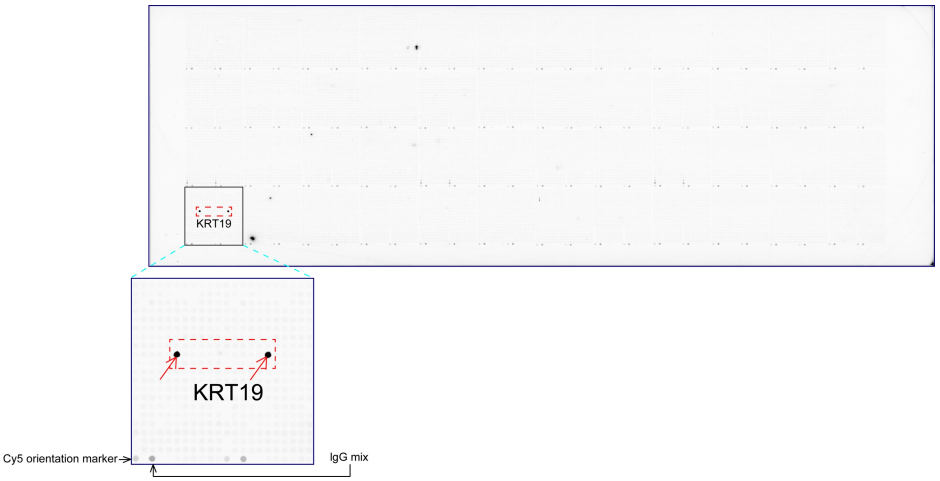

OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-KRT19 mouse monoclonal antibody (UM800078). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).

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