

## Product datasheet for **UM800065**

### Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody [Clone ID: UMAB172]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB172
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human KRT20 (NP_061883) 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:	48.3 kDa
Gene Name:	keratin 20
Database Link:	<a href="#">NP_061883</a> <a href="#">Entrez Gene 54474 Human P35900</a>

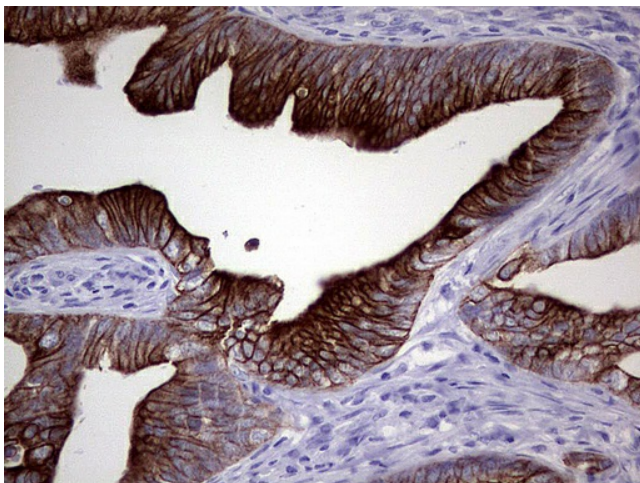
**Background:** The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]



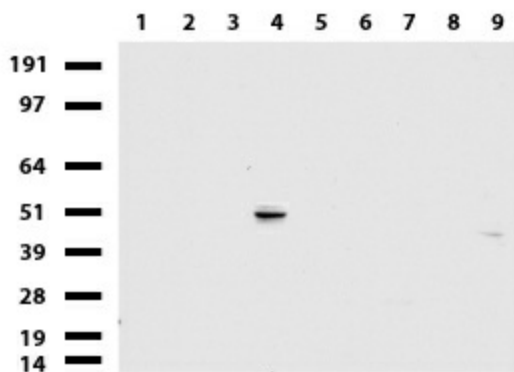
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Synonyms: CD20; CK-20; CK20; K20; KRT21

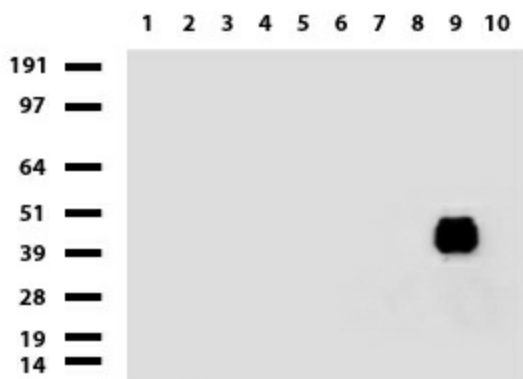
**Product images:**



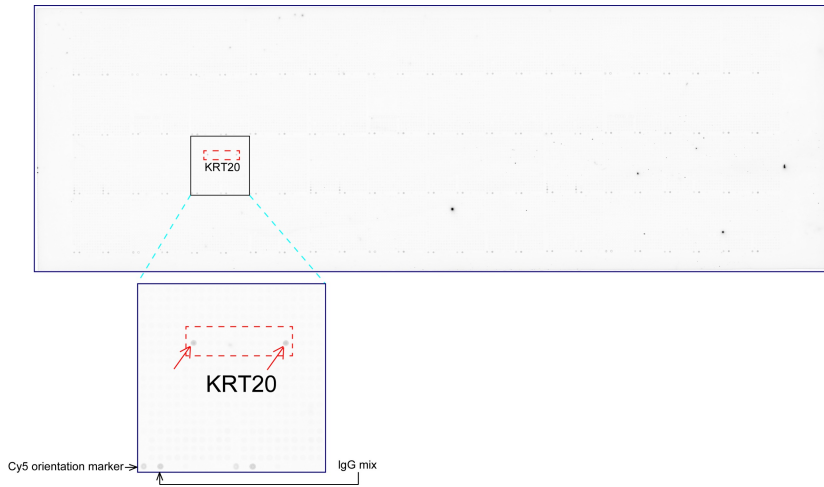
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-KRT20 mouse monoclonal antibody. (UM800065; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min)



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).



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). Dilution: 1:500.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-KRT20 mouse monoclonal antibody (UM800065). 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.