



Cytokeratin 20 (CK20) (ABT24R) Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18155
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	IHC
Gene Name	KRT20
Protein Name	Cytokeratin-20
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of Cytokeratin 20
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	CD20 ; CK 20 ; CK-20 ; CK20 ; Cytokeratin-20 ; Cytokeratin20 ; K1C20_HUMAN ; K20 ; KA20 ; Keratin 20 ; keratin 20, type I ; keratin 21, Rat, homolog of ; Keratin ; Keratin type I cytoskeletal 20 ; Keratin-20 ; Keratin20 ; KRT 20 ; KRT 21 ; KRT20 ; KRT21 ; MGC35423 ; OTTHUMP00000164518 ; Protein IT ; type I cytoskeletal 20
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasmic, Membranous
Tissue Specificity	Expressed predominantly in the intestinal epithelium. Expressed in luminal cells of colonic mucosa. Also expressed in the Merkel cells of keratinized oral mucosa; specifically at the tips of some rete ridges of the gingival mucosa, in the basal layer of the palatal mucosa and in the taste buds of lingual mucosa.
Function	developmental stage:First detected at embryonic week 8 in individual 'converted' simple epithelial cells of the developing intestinal mucosa. In later fetal stages, synthesis extends over most goblet cells and a variable number of villus

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蛋白、一抗、抗体对、ELISA试剂盒、生化试剂盒
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检测服务:

ELISA检测及定制服务 | 生化检测 | PCR、QPCR检测 | WB检测
ICO-IP检测 | 切片 | 染色 | 免疫组化 | 免疫荧光 | 透射电镜全套
| 宏基因组、转录组、基因组、蛋白组、代谢组测序



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enterocytes. In the developing gastric and intestinal mucosa, expressed in all enterocytes and goblet cells as well as certain 'low-differentiated' columnar cells, whereas the neuroendocrine and Paneth cells are negative. Function: Plays a significant role in maintaining keratin filament organization in intestinal epithelia. When phosphorylated, plays a role in the secretion of mucin in the small intestine. miscellaneous: There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa). PTM: Hyperphosphorylation at Ser-13 occurs during the early stages of apoptosis but becomes less prominent during the later stages. Phosphorylation at Ser-13 also increases in response to stress brought on by cell injury. PTM: Proteolytically cleaved by caspases during apoptosis. Cleavage occurs at Asp-228. similarity: Belongs to the intermediate filament family. subunit: Heterotetramer of two type I and two type II keratins. Associates with KRT8. tissue specificity: Expressed predominantly in the intestinal epithelium. Expressed in luminal cells of colonic mucosa. Also expressed in the Merkel cells of keratinized oral mucosa; specifically at the tips of some rete ridges of the gingival mucosa, in the basal layer of the palatal mucosa and in the taste buds of lingual mucosa.

Background

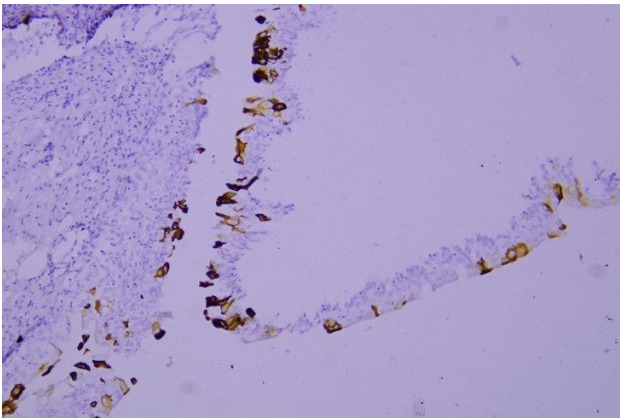
The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged 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],

matters needing attention

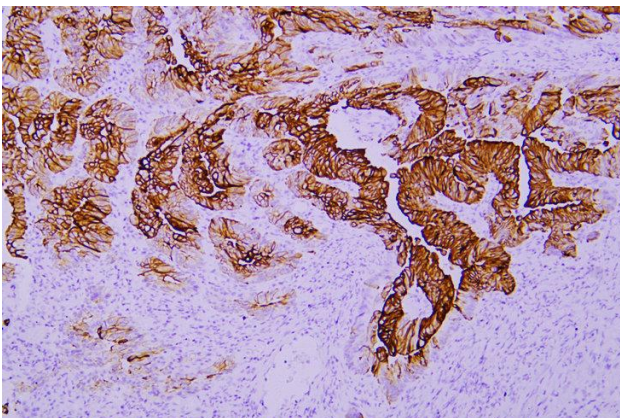
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Immunohistochemical analysis of paraffin-embedded human Bladder. 1, Antibody was incubated at 4° overnight. 2, TRIS-EDTA of pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human Colon carcinoma. 1, Antibody was incubated at 4° overnight. 2, TRIS-EDTA of pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).

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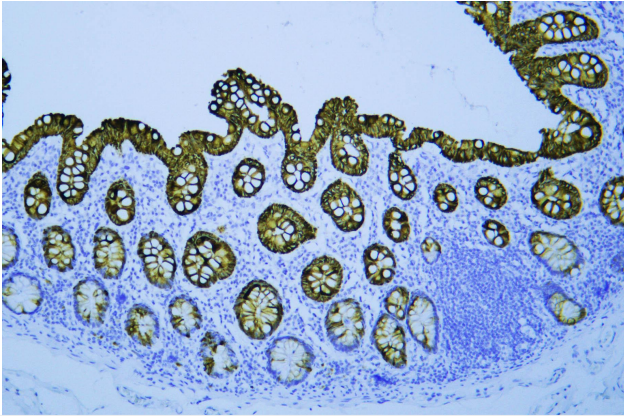
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ICO-IP检测 | 切片 | 染色 | 免疫组化 | 免疫荧光 | 透射电镜全套
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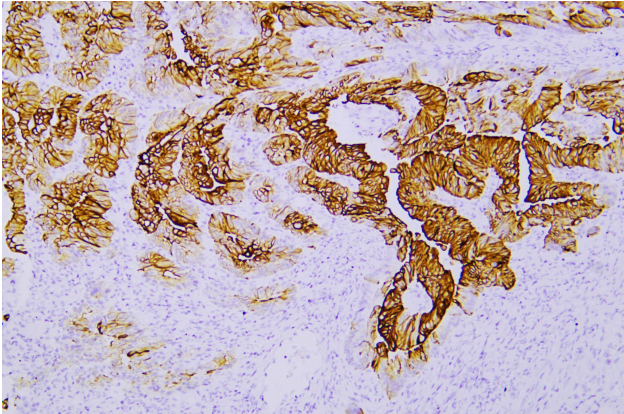
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Human rectal adenocarcinoma was stained with anti-Cytokeratin 20 (CK20) (ABT24R) rabbit mAb



Human colon cancer was stained with anti-Cytokeratin 20 (CK20) (ABT24R) rabbit mAb

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