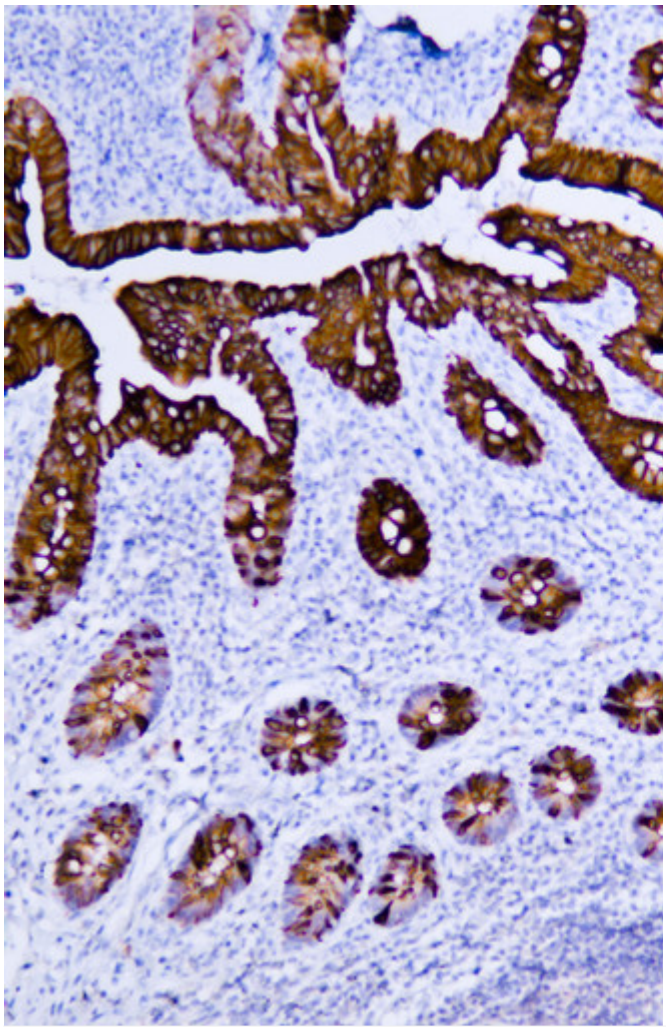
Cytokeratin 20 mouse mAb(ABT044)

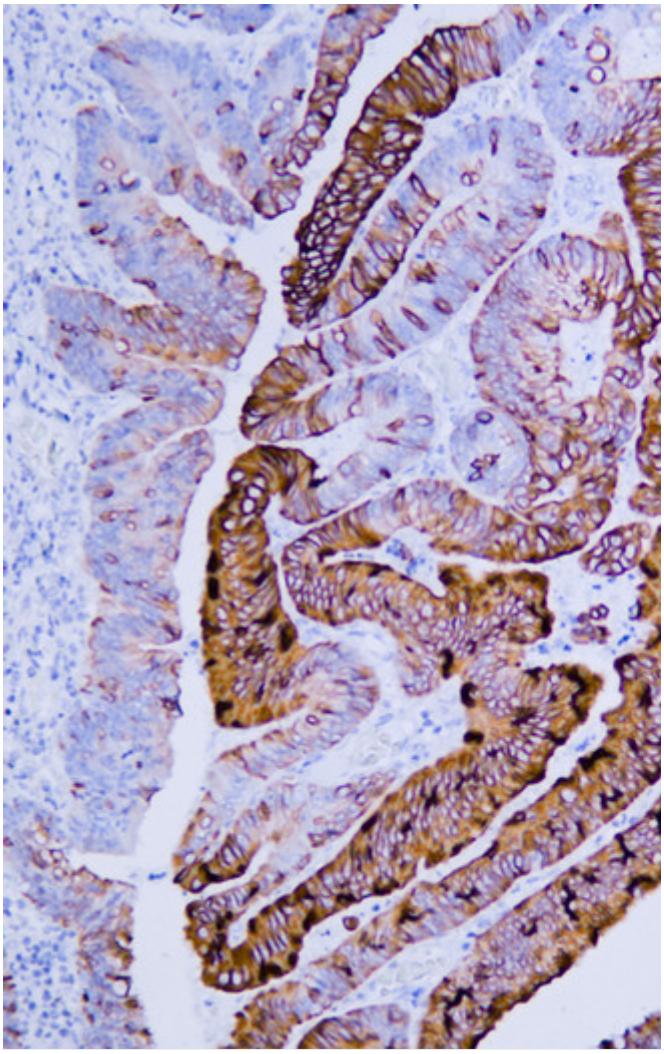
Catalog No	BYab-32894
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;WB;IF
Gene Name	KRT20
Protein Name	Cytokeratin-20
Immunogen	Synthesized peptide derived from human CK20
Specificity	The antibody can specifically recognize human CK20 protein, and shows no cross reaction with CK1, 5, 6, 7, 8, 13, 14, 15, 17, 18.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.136% sodium azide.
Source	Mouse, Monoclonal/IgG2b, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Keratin, type I cytoskeletal 20 (Cytokeratin-20;CK-20;Keratin-20;K20;Protein IT)
Observed Band	
Cell Pathway	Cytoplasm .
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 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 t
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.

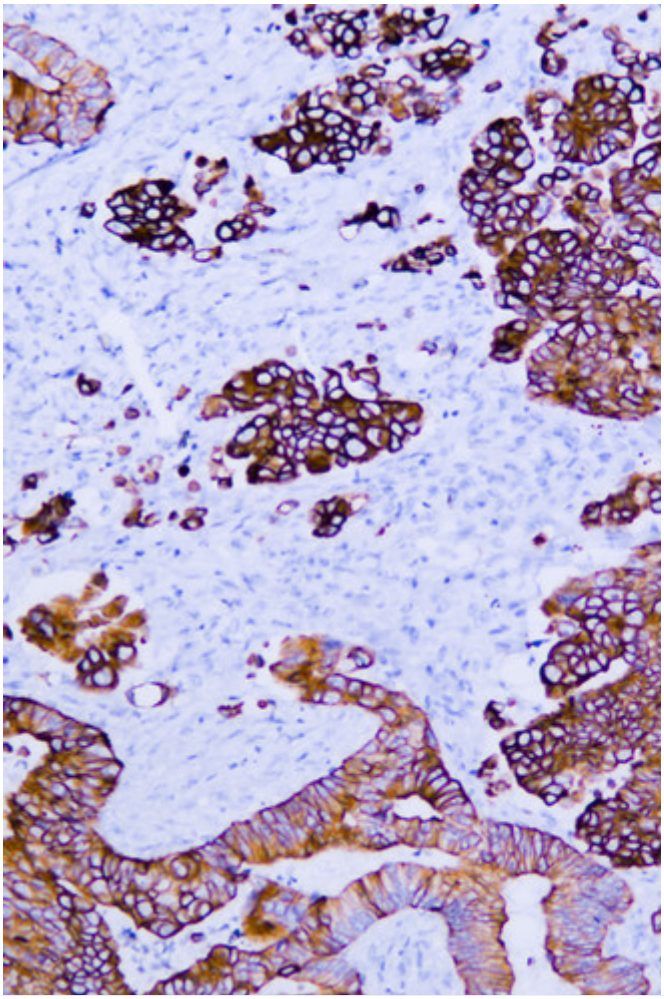
Products Images



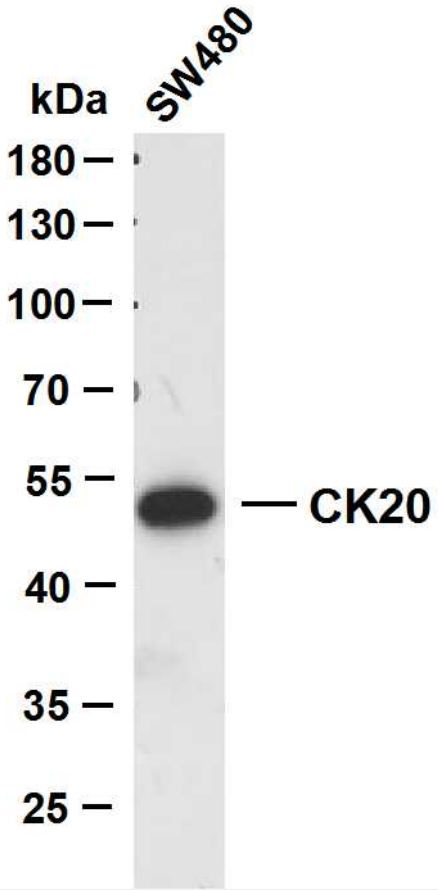
Human appendix tissue was stained with Anti-Cytokeratin 20 (ABT044) Antibody



Human colon carcinoma tissue was stained with Anti-Cytokeratin 20 (ABT044) Antibody



Human rectal carcinoma tissue was stained with Anti-Cytokeratin 20 (ABT044) Antibody



SW480 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CK20(ABT044) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: SW480 Predicted band size: 48kDa Observed band size: 48kDa