

**Keratin 20 (Phospho Ser13) rabbit pAb**

<b>Catalog No :</b>	YP1378
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	Cytokeratin 20
<b>Fields :</b>	>>Estrogen signaling pathway;>>Staphylococcus aureus infection
<b>Gene Name :</b>	KRT20
<b>Protein Name :</b>	Keratin 20 (Ser13)
<b>Human Gene Id :</b>	54474
<b>Human Swiss Prot No :</b>	P35900
<b>Mouse Gene Id :</b>	66809
<b>Mouse Swiss Prot No :</b>	Q9D312
<b>Rat Gene Id :</b>	286912
<b>Rat Swiss Prot No :</b>	P25030
<b>Immunogen :</b>	Synthesized phospho peptide around human Keratin 20 (Ser13)
<b>Specificity :</b>	This antibody detects endogenous levels of Human Keratin 20 (phospho-Ser13)
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography

using specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 49kD

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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. 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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**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

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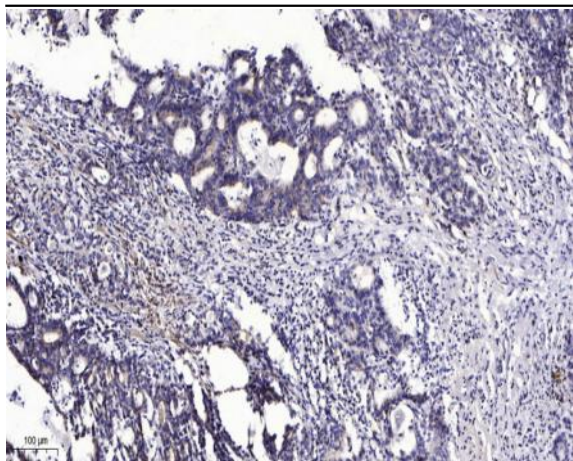
**Subcellular Location :** Cytoplasm .

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**Expression :** 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.

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## Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).