SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CK20 antibody

Catalog Number: SL1588R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CK20
Immunogen:	KLH conjugated synthetic peptide derived from human CK20: 151-250/424
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat)
Predicted MW.:	48kDa
Subcellular Location:	cytoplasmic
Background:	Cytokeratin 20 is a type I keratin which is primarily expressed in gastric and intestinal epithelium, urothelium, and Merkel-cells. 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. Their genes are clustered in a region of chromosome 17q12-q21. Cytokeratin 20 is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. It is also expressed in adenocarcinomas of the colon, stomach, pancreas and the bile system and is present in mucinous ovarian tumors, transitional-cell and Merkel-cell carcinomas. Notably, the squamous cell carcinomas and adenocarcinomas of the breast, lung, and endometrium, non-mucinous tumors of the ovary, and small cell carcinomas lack cytokeratin 20.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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 (By similarity). **Subunit:** Heterotetramer of two type I and two type II keratins. Associates with KRT8. **Subcellular Location:** 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. **Post-translational modifications:** 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 (By similarity). Proteolytically cleaved by caspases during apoptosis. Cleavage occurs at Asp-228. **Similarity:** Belongs to the intermediate filament family. **Database links:** **Entrez Gene:** 54474 Human **Entrez Gene:** 66809 Mouse **Entrez Gene:** 286912 Rat Omim: 608218 Human **SwissProt:** P35900 Human **SwissProt:** Q9D312 Mouse **SwissProt:** P25030 Rat **Unigene:** 84905 Human **Unigene:** 28042 Mouse **Unigene:** 9887 Rat Structural Proteins CK-20 cytokeratin-20 is mainly used in Tumour research. In recent years, it is mostly used for the identification of malignant Tumours of the digestive system, mainly in the cytoplasm.

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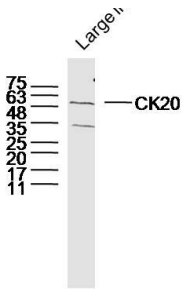
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[VALIDATION IMAGES]



Sample:
Large intestine (Mouse) Lysate at 40 ug
Primary: Anti-CK20 (SL1588R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD
Observed band size: 48 kD

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