

For Research Use Only

# Cytokeratin 20 Polyclonal antibody

Catalog Number: 17329-1-AP

16 Publications



## Basic Information

<b>Catalog Number:</b> 17329-1-AP	<b>GenBank Accession Number:</b> BC031559	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 1100 ug/ml	<b>GeneID (NCBI):</b> 54474	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:1000-1:4000 IF-P 1:500-1:2000 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35900	
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 20	
<b>Immunogen Catalog Number:</b> AG11308	<b>Calculated MW:</b> 424 aa, 48 kDa <b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	<b>Positive Controls:</b> WB : COLO 320 cells, HeLa cells, HT-29 cells IHC : human colon tissue, human appendicitis tissue, human colon cancer tissue, human stomach cancer tissue, human urothelial carcinoma tissue IF-P: Rabbit colon tissue, IF/ICC : Caco-2 cells, HeLa cells
<b>Cited Applications:</b> WB, IHC, IF	
<b>Species Specificity:</b> human, mouse, rat, rabbit	
<b>Cited Species:</b> human, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin 20 is a type I cytokeratin. It is a major cellular protein of mature enterocytes and goblet cells and is specifically found in the gastric and intestinal mucosa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pingping Zhu	30224759	Nat Cell Biol	WB
Ziyi Wang	36387215	Front Oncol	WB
Qi Cheng	35561877	Cancer Lett	IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

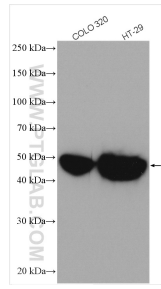
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

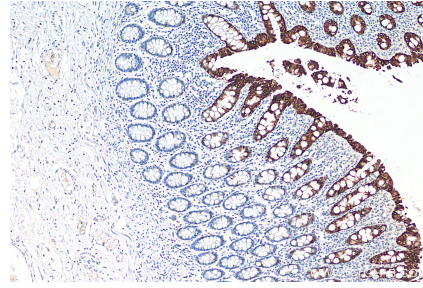
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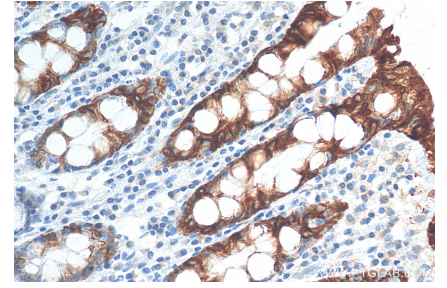
## Selected Validation Data



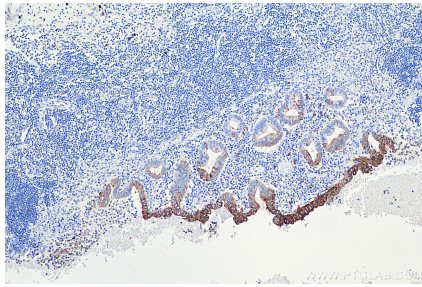
Various lysates were subjected to SDS PAGE followed by western blot with 17329-1-AP (Cytokeratin 20 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



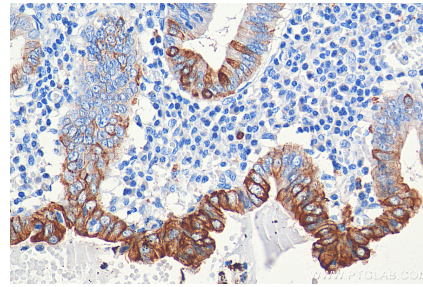
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17329-1-AP (Cytokeratin 20 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



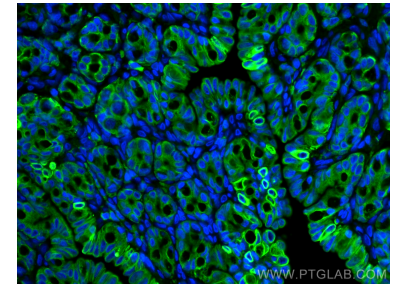
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17329-1-AP (Cytokeratin 20 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



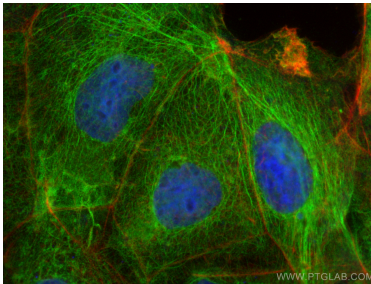
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 17329-1-AP (Cytokeratin 20 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



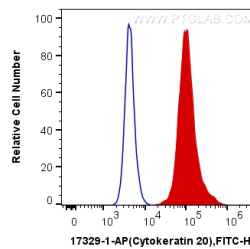
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 17329-1-AP (Cytokeratin 20 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Rabbit colon tissue using Cytokeratin 20 antibody (17329-1-AP) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed Caco-2 cells using Cytokeratin 20 antibody (17329-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



$1 \times 10^6$  HT-29 cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 20 (17329-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).