

For Research Use Only

# Cytokeratin 20 Monoclonal antibody, PBS Only

Catalog Number: 60183-1-PBS



## Basic Information

<b>Catalog Number:</b> 60183-1-PBS	<b>GenBank Accession Number:</b> BC031559	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54474	<b>CloneNo.:</b> 4D10A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P35900	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> keratin 20	
<b>Immunogen Catalog Number:</b> AG11336	<b>Calculated MW:</b> 424 aa, 48 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IF-P, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). 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.

## Storage

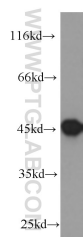
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

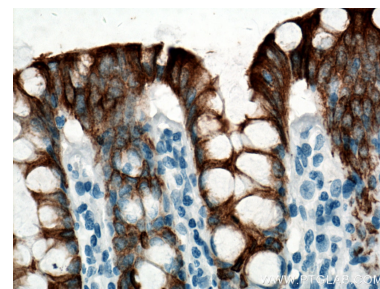
## Selected Validation Data



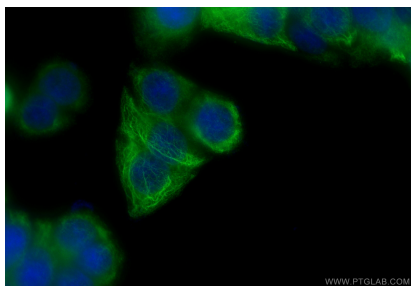
COLO 320 cells were subjected to SDS PAGE followed by western blot with 60183-1-Ig (Cytokeratin 20 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60183-1-PBS in a different storage buffer formulation.



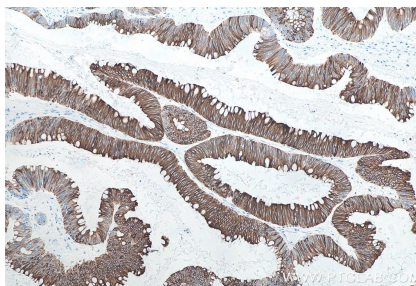
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60183-1-Ig (Cytokeratin 20 antibody) at dilution of 1:51200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60183-1-PBS in a different storage buffer formulation.



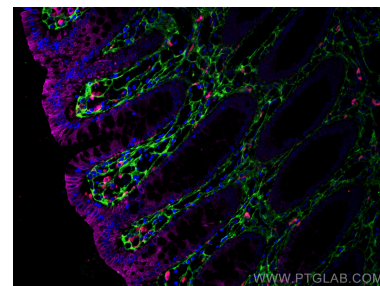
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60183-1-Ig (Cytokeratin 20 antibody) at dilution of 1:51200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60183-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HT-29 cells using Cytokeratin 20 antibody (60183-1-Ig, Clone: 4D10A4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 60183-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 60183-1-Ig (Cytokeratin 20 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60183-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Cytokeratin 20 antibody (60183-1-Ig, Clone: 4D10A4) at dilution of 1:400 and CoraLite®647-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), Collagen Type III (N-terminal) antibody (22734-1-AP, green), CoraLite®594 CD68 antibody (CL594-25747, red). This data was developed using the same antibody clone with 60183-1-PBS in a different storage buffer formulation.