

For Research Use Only

# Cytokeratin 10 Polyclonal antibody, PBS Only

Catalog Number: 18343-1-PBS



## Basic Information

<b>Catalog Number:</b> 18343-1-PBS	<b>GenBank Accession Number:</b> BC034697	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3858	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P13645	
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 10	
<b>Immunogen Catalog Number:</b> AG13136	<b>Calculated MW:</b> 584 aa, 59 kDa	
	<b>Observed MW:</b> 50-59 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

**Species Specificity:**  
human, mouse, rat

## 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. As a type I keratin, keratin 10 is a suprabasal marker of differentiation in stratified squamous epithelia.

## Storage

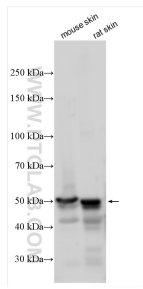
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

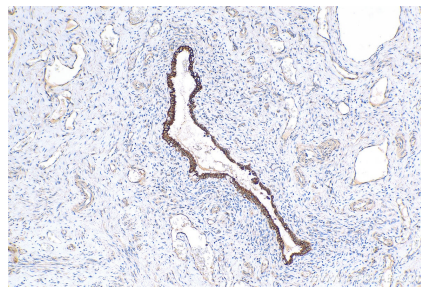
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

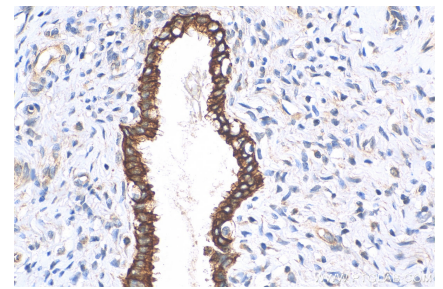
## Selected Validation Data



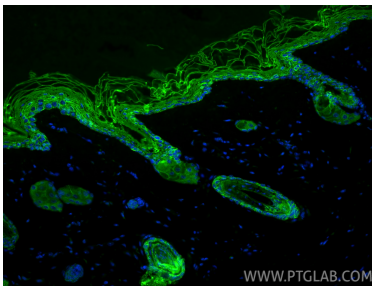
Various lysates were subjected to SDS PAGE followed by western blot with 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18343-1-PBS in a different storage buffer formulation.



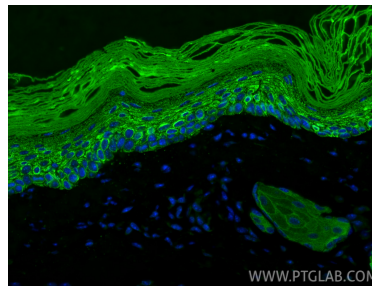
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18343-1-PBS in a different storage buffer formulation.



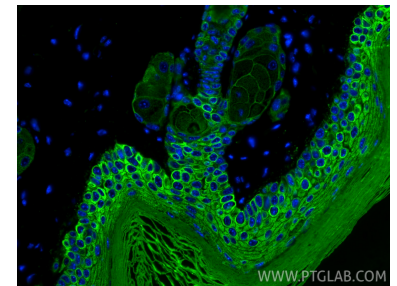
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18343-1-PBS in a different storage buffer formulation.



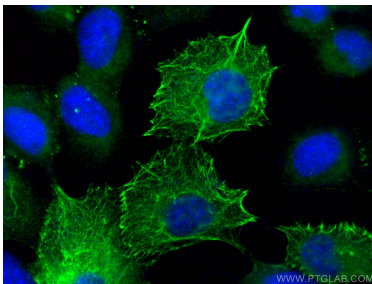
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using Cytokeratin 10 antibody (18343-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18343-1-PBS in a different storage buffer formulation.



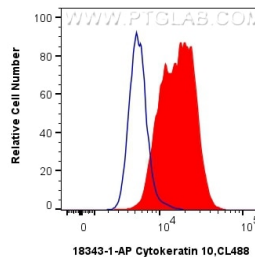
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Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Cytokeratin 10 antibody (18343-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 18343-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug Anti-Human Cytokeratin 10 (18343-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug rabbit IgG isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 18343-1-PBS in a different storage buffer formulation.