

For Research Use Only

# Cytokeratin 10 Polyclonal antibody

Catalog Number: 18343-1-AP

19 Publications



## Basic Information

<b>Catalog Number:</b> 18343-1-AP	<b>GenBank Accession Number:</b> BC034697	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3858	<b>Recommended Dilutions:</b> WB 1:5000-1:20000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P13645	<b>IHC</b> 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 10	<b>IF-P</b> 1:50-1:500
<b>Immunogen Catalog Number:</b> AG13136	<b>Calculated MW:</b> 584 aa, 59 kDa	<b>IF/ICC</b> 1:50-1:500
	<b>Observed MW:</b> 50-59 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	<b>Positive Controls:</b> <b>WB</b> : mouse skin tissue, A431 cells, rat skin tissue
<b>Cited Applications:</b> WB, IHC, IF	<b>IHC</b> : human cervical cancer tissue, human breast cancer tissue, human lung cancer tissue, human skin cancer tissue, rat skin tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF-P</b> : mouse skin tissue,
<b>Cited Species:</b> human, mouse, rat	<b>IF/ICC</b> : A431 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lisa Lemoine	34579573	mBio	IF
Yingzheng Zhao	36240893	Int J Biol Macromol	IF
Shidi Wu	31790685	Life Sci	IHC

## Storage

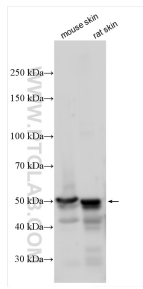
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

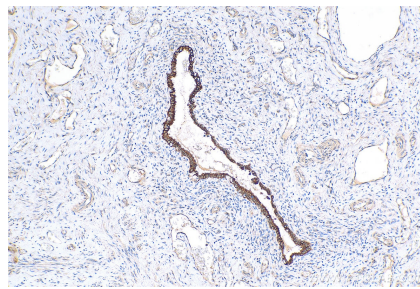
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

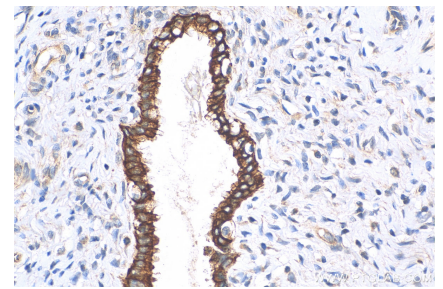
## Selected Validation Data



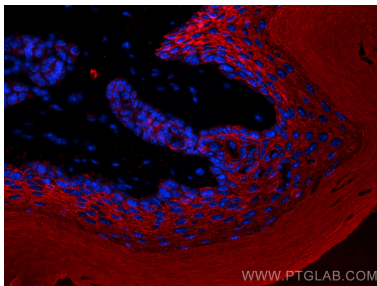
Various lysates were subjected to SDS PAGE followed by western blot with 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



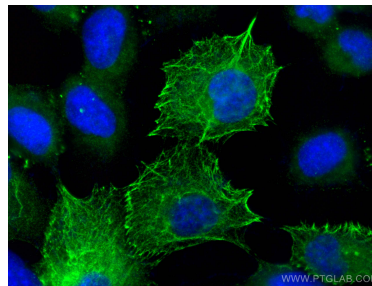
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



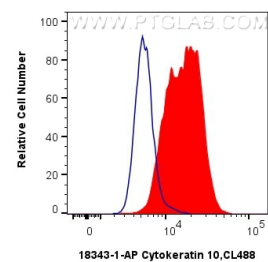
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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 control Rabbit PolyAb (30000-0-AP, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).