

For Research Use Only

Cytokeratin 10 Polyclonal antibody

Catalog Number: 18343-1-AP

13 Publications



Basic Information

Catalog Number:

18343-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13136

GenBank Accession Number:

BC034697

GeneID (NCBI):

3858

UNIPROT ID:

P13645

Full Name:

keratin 10

Calculated MW:

584 aa, 59 kDa

Observed MW:

50-59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:500-1:2000

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB: mouse skin tissue, A431 cells, rat skin tissue

IHC: human cervical cancer tissue, mouse skin tissue, rat skin tissue, human lung cancer tissue, human breast cancer tissue, human skin cancer tissue

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. 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

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

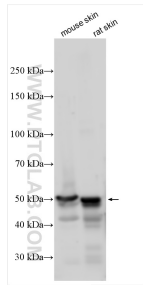
T: 4006900926

E: Proteintech-CN@ptglab.com

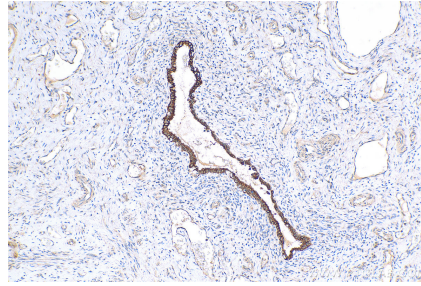
W: ptgcn.com

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

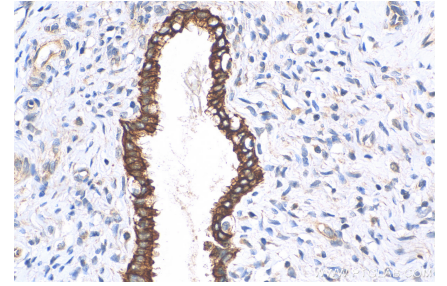
Selected Validation Data



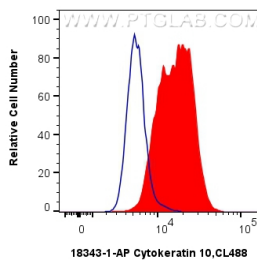
Various lysates were subjected to SDS PAGE followed by western blot with 18343-1-AP (Cytokeratin 10 antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



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).



1X10⁶ 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-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).