

For Research Use Only

# Cytokeratin 6B Polyclonal antibody

Catalog Number: 17391-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 17391-1-AP	<b>GenBank Accession Number:</b> BC034535	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 3854	<b>Recommended Dilutions:</b> WB 1:1600-1:5000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04259	
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 6B	
<b>Immunogen Catalog Number:</b> AG11288	<b>Calculated MW:</b> 564 aa, 60 kDa <b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
FC, IF/ICC, IHC, WB, ELISA

**Cited Applications:**  
WB, IHC

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

**Cited Species:**  
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**

**Positive Controls:**

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

**IHC :** human lung cancer tissue, human cervical cancer tissue, human breast cancer tissue, human tonsil tissue, human oesophagus tissue

**IF :** HeLa cells,

## 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 6 is a type II keratin. It is used as a marker for epidermal hyperproliferation and differentiation. Three keratin 6 isoforms were found, ketatin 6A, 6B, and 6C. They share more than 99% identical DNA sequence.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Song	35794606	J Transl Med	WB
Cui Chang-Yi CY	23439395	J Invest Dermatol	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:

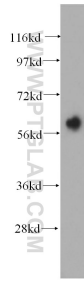
T: 4006900926

E: Proteintech-CN@ptglab.com

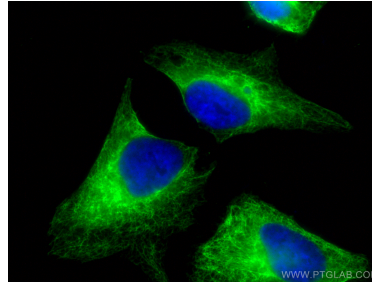
W: ptgcn.com

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

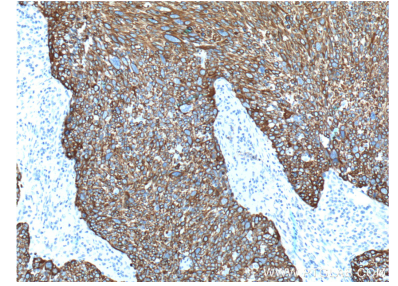
## Selected Validation Data



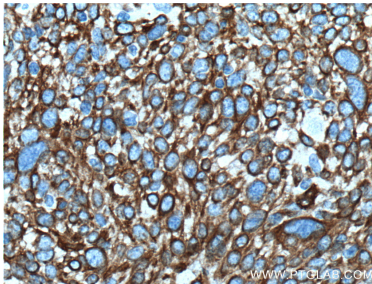
mouse skin tissue were subjected to SDS PAGE followed by western blot with 17391-1-AP (Cytokeratin 6B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



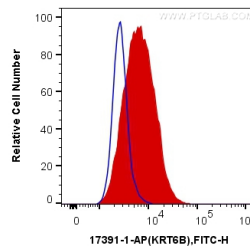
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Cytokeratin 6B antibody (17391-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 17391-1-AP (Cytokeratin 6B 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 lung cancer tissue slide using 17391-1-AP (Cytokeratin 6B antibody at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 6B (17391-1-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).