

For Research Use Only

# KRT33B Polyclonal antibody

Catalog Number: 11048-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 11048-1-AP	<b>GenBank Accession Number:</b> BC009971	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 3884	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:400-1:1600 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14525	
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 33B	
<b>Immunogen Catalog Number:</b> AG1522	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, human brain tissue
<b>Cited Applications:</b> WB	<b>IHC :</b> human skin cancer tissue, human prostate cancer tissue
<b>Species Specificity:</b> human	<b>IF :</b> MCF-7 cells,
<b>Cited Species:</b> human	
<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. Keratin 33 belongs to type I keratin and is found in hair and nails. There are two isoforms of this protein, encoded by two separate genes, KRTHA3A and KRTHA3B.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan-Min Ma	24994782	Asian J Androl	WB

## 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:

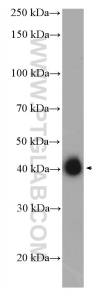
T: 4006900926

E: Proteintech-CN@ptglab.com

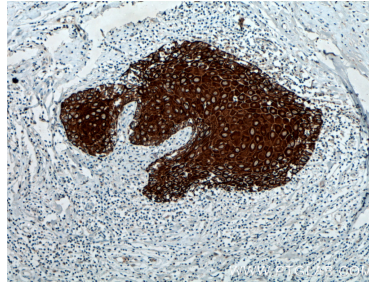
W: ptgcn.com

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

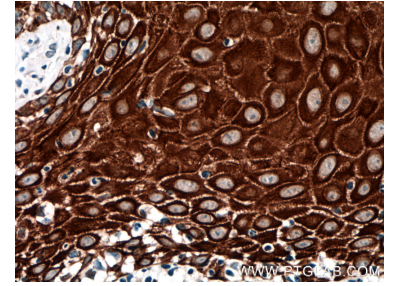
## Selected Validation Data



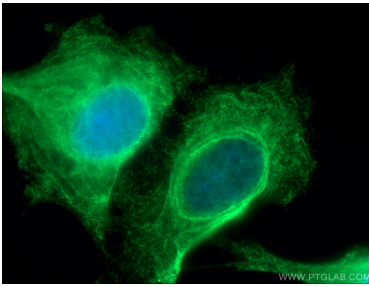
MCF-7 cells were subjected to SDS PAGE followed by western blot with 11048-1-AP (KRT33B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 11048-1-AP (KRT33B antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 11048-1-AP (KRT33B antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 11048-1-AP (KRT33B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).