

For Research Use Only

# KRT2 Polyclonal ANTIBODY



Catalog Number: 21725-1-AP

## Basic Information

<b>Catalog Number:</b> 21725-1-AP	<b>GenBank Accession Number:</b> BC096294	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 380 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3849	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> keratin 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 639 aa, 66 kDa	
<b>Immunogen Catalog Number:</b> AG16384	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: A431 cells, IHC: human skin cancer tissue,
<b>Species Specificity:</b> human	

**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. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). Keratin 2 is a type II cytokeratin. It is found largely in the upper spinous layer of epidermal keratinocytes, and also in other regions, notably the epidermis covering the knee, thigh, and groin.

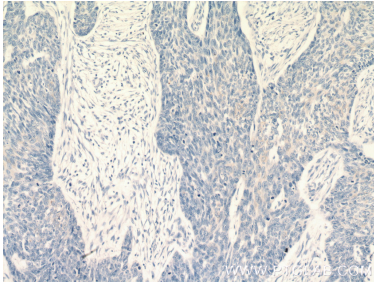
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

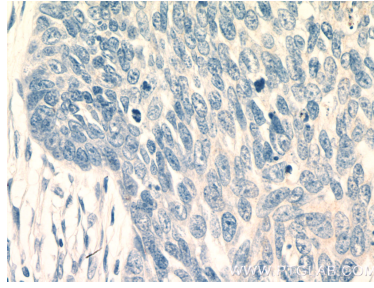
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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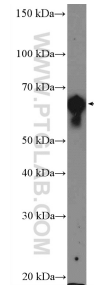
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 21725-1-AP (KRT2 antibody) at dilution of 1:1000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 21725-1-AP (KRT2 antibody) at dilution of 1:1000 (under 40x lens).



A431 cells were subjected to SDS PAGE followed by western blot with 21725-1-AP (KRT2 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.