

For Research Use Only

# Cytokeratin 2e Polyclonal antibody

Catalog Number: 21725-1-AP

1 Publications



## Basic Information

### Catalog Number:

21725-1-AP

### Size:

150ul, Concentration: 380 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16384

### GenBank Accession Number:

BC096294

### GeneID (NCBI):

3849

### UNIPROT ID:

P35908

### Full Name:

keratin 2

### Calculated MW:

639 aa, 66 kDa

### Observed MW:

65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human

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

IHC : human cervical cancer tissue, human oesophagus cancer tissue

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenjing Wu	38472014	Cont Lens Anterior Eye	IF

## 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

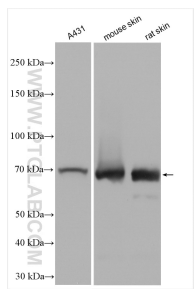
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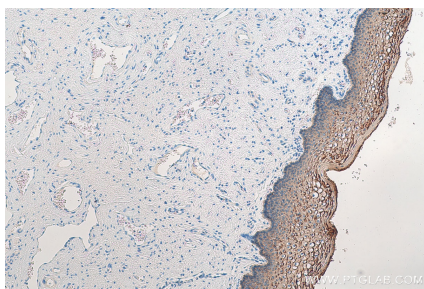
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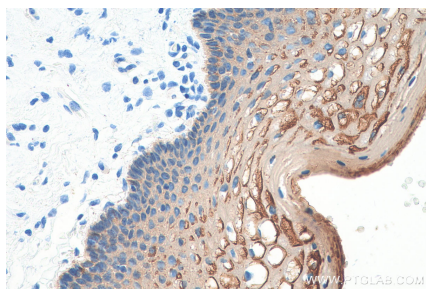
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21725-1-AP (KRT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 21725-1-AP (KRT2 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 21725-1-AP (KRT2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).