

For Research Use Only

# pan-keratin Polyclonal antibody

Catalog Number: 26411-1-AP

44 Publications



## Basic Information

### Catalog Number:

26411-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24184

### GenBank Accession Number:

BC024292

### GeneID (NCBI):

3852

### UNIPROT ID:

P13647

### Full Name:

keratin 5

### Calculated MW:

590 aa, 62 kDa

### Observed MW:

46-58 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:50000-1:200000

IHC: 1:1500-1:6000

IF-P: 1:200-1:800

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, sheep

**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, MCF-7 cells, HeLa cells

IHC: human oesophagus tissue, human brown disease, human cervical cancer tissue, human liver tissue, human lung cancer tissue, human renal cell carcinoma tissue, human tonsillitis tissue

IF-P: human colon cancer tissue, human rectal cancer tissue

IF/ICC: A431 cells, HeLa cells, mouse breast cancer

## Background Information

Pan-keratin, also known as pan-cytokeratin, refers to a group of antibodies that recognize a broad array of keratin proteins. Keratins are a large family of intermediate filament (IF) proteins that provide structural integrity to epithelial cells. These proteins are essential for maintaining cell shape, strength, and resilience. The keratin gene family is divided into two major groups: type I keratins (acidic) and type II keratins (basic), with 27 type I and 26 type II keratin genes in humans. Pan-keratin immunostaining is widely used in pathology and research due to its ability to detect a variety of keratin proteins, making it a valuable tool for identifying epithelial cells and tissues. This staining technique is particularly useful in the diagnosis of tumors, as it can help distinguish between epithelial and non-epithelial neoplasms. This antibody is a pan-keratin antibody.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Wang	34560900	J Exp Clin Cancer Res	WB
Lijun Li	36102310	Int J Oncol	IHC
Yanbo Dong	34778255	Front Cell Dev Biol	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

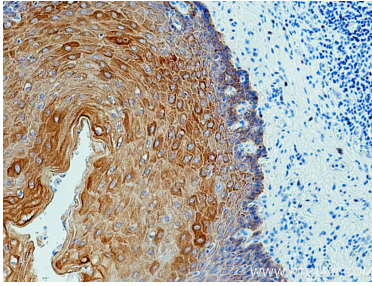
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

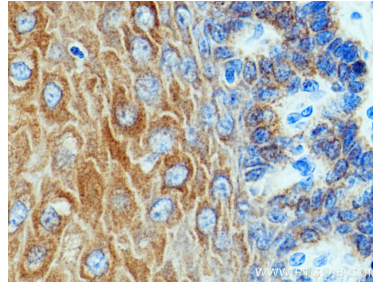
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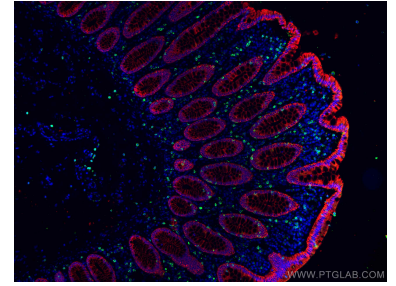
## Selected Validation Data



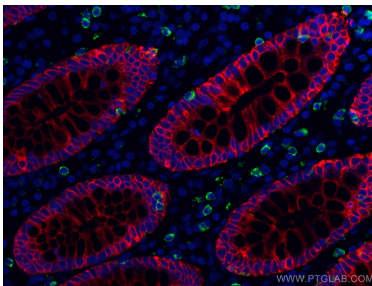
Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 26411-1-AP (pan-keratin antibody) at dilution of 1:3000 (under 10x lens)..



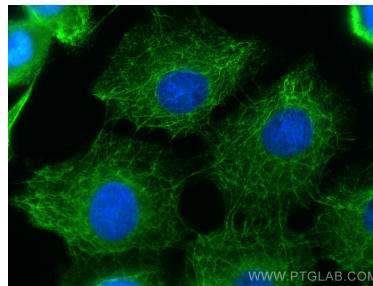
Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 26411-1-AP (pan-keratin antibody) at dilution of 1:3000 (under 40x lens)..



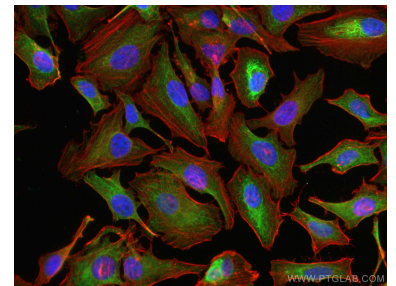
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using pan-keratin antibody (26411-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CD8 antibody (66868-1-Ig, Clone: 1G2B10, green).



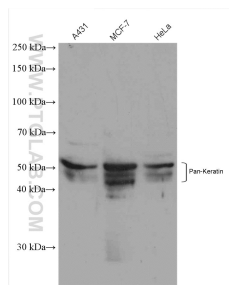
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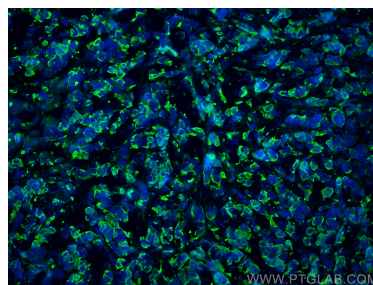
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using pan-keratin antibody (26411-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using pan-keratin antibody (26411-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 26411-1-AP (pan-keratin antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse breast cancer using pan-keratin antibody (26411-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).