

For Research Use Only

# Cytokeratin 6A Polyclonal antibody

Catalog Number: 10590-1-AP

26 Publications



## Basic Information

### Catalog Number:

10590-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0882

### GenBank Accession Number:

BC008807

### GeneID (NCBI):

3853

### UNIPROT ID:

P02538

### Full Name:

keratin 6A

### Calculated MW:

60 kDa

### Observed MW:

56 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:10000-1:50000

IHC 1:200-1:800

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

### Cited Applications:

WB, IHC, IF, FC (Intra)

### Species Specificity:

human, rat

### Cited Species:

human, mouse, rat

**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, A375 cells, rat skin tissue, U-251 cells

**IHC** : human oesophagus cancer tissue, human breast cancer tissue, human skin tissue, human lung cancer tissue

**IF/ICC** : A431 cells, 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 marker for epidermal hyperproliferation and differentiation. There are three keratin 6 isoforms: keratin 6A, 6B and 6C. They share more than 99% identical DNA sequence.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bing Sun	27684953	PLoS One	WB
Lihua Gao	32168425	J Cell Mol Med	WB, IHC, IF
Jian Xiao	32162441	Clin Respir J	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

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

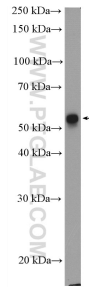
For technical support and original validation data for this product please contact:

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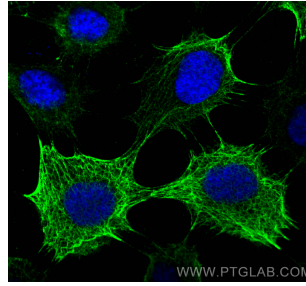
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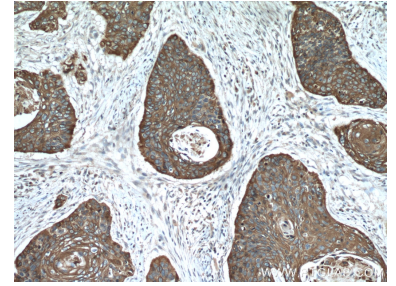
## Selected Validation Data



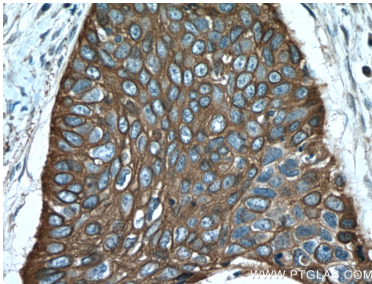
A431 cells were subjected to SDS PAGE followed by western blot with 10590-1-AP (Cytokeratin 6A antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



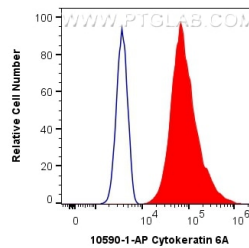
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Cytokeratin 6A antibody (10590-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10590-1-AP (Cytokeratin 6A antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10590-1-AP (Cytokeratin 6A antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug Anti-Human Cytokeratin 6A (10590-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).