

# Cytokeratin 5 Rabbit pAb

Catalog No.: A2662 **2 Publications**

## Basic Information

### Observed MW

62kDa

### Calculated MW

62kDa

### Category

Primary antibody

### Applications

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

### Cross-Reactivity

Human, Mouse

## Background

The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

3852

### Swiss Prot

P13647

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Cytokeratin 5 (KRT5) (NP\_000415.2).

### Synonyms

K5; CK5; DDD; DDD1; EBS1; EBS2; EBS2A; EBS2B; EBS2C; EBS2D; EBS2E; EBS2F; KRT5A; Cytokeratin 5 (KRT5)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

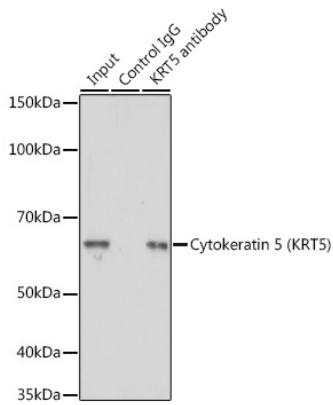
Affinity purification

### Storage

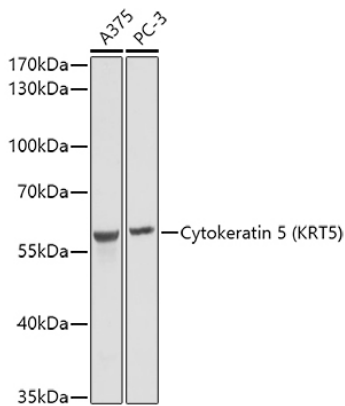
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

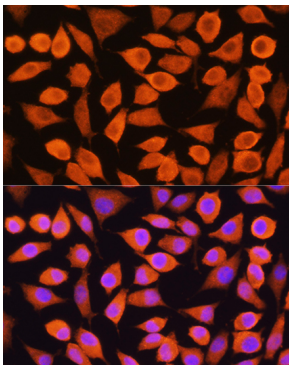
## Validation Data



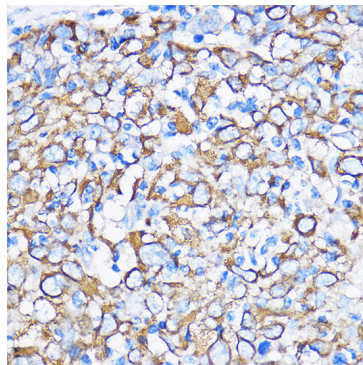
Immunoprecipitation analysis of 200 µg extracts of A-431 cells using 3 µg Cytokeratin 5 antibody (A2662). Western blot was performed from the immunoprecipitate using Cytokeratin 5 antibody (A2662) at a dilution of 1:5000.



Western blot analysis of various lysates using Cytokeratin 5 Rabbit pAb (A2662) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunofluorescence analysis of L929 cells using Cytokeratin 5 Rabbit pAb (A2662) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using Cytokeratin 5 Rabbit pAb (A2662) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.