

## Cytokeratin 7 (KRT7) Monoclonal Antibody

CAB4357

### Description

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This Cytokeratin 7 (KRT7) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB4357  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Monoclonal Antibody  
**Synonyms:** K7, KRT7, SCL, K2C7, Cytokeratin 7 (CK7)  
**Clone:** ARC0978  
**Applications:** WB IHC-P ELISA IF-P  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 3855  
**Uniprot:** AB\_2863248  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 55kDa  
**Calculated MW:** 51kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

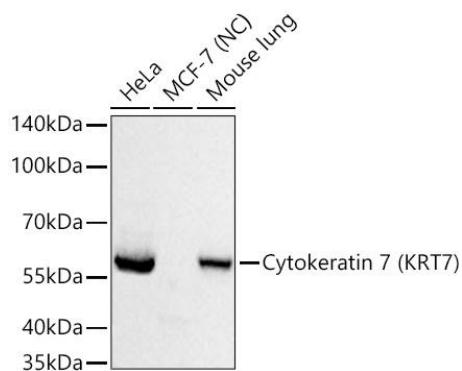
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa, Mouse lung

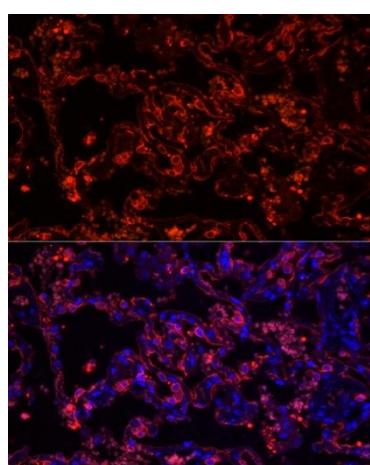
<b>Recommended Dilutions:</b>	<table border="1"> <tr> <td><b>WB</b></td><td>1:20000 - 1:100000</td></tr> <tr> <td><b>IF-P</b></td><td>1:50 - 1:200</td></tr> <tr> <td><b>IHC-P</b></td><td>1:1000 - 1:4000</td></tr> <tr> <td><b>ELISA</b></td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	<b>WB</b>	1:20000 - 1:100000	<b>IF-P</b>	1:50 - 1:200	<b>IHC-P</b>	1:1000 - 1:4000	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

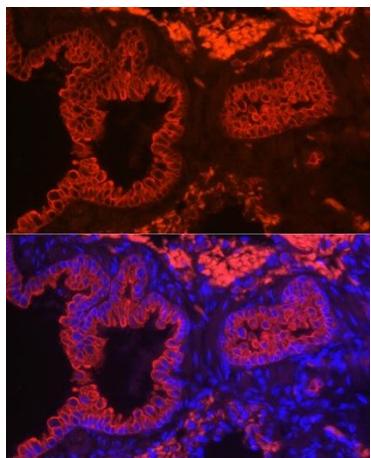
## Validation Data



Western blot analysis of various lysates using Cytokeratin 7 Rabbit mAb (CAB4357) at 1:20000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Negative control (NC): MCF-7 Exposure time: 1s.



Immunofluorescence analysis of paraffin-embedded Human lung tissue using Cytokeratin 7 Rabbit mAb (CAB4357) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Rat lung tissue using Cytokeratin 7 Rabbit mAb (CAB4357) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.