

## Cytokeratin 20 (KRT20) Monoclonal Antibody

CAB19041

### Description

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This Cytokeratin 20 (KRT20) 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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|----------------------|---|
| <b>SKU:</b>          | CAB19041  |
| <b>Contents:</b>     | 20 µL, 100 µL<br>Bradford Reagent: 1 vial (2ml)       |
| <b>Category:</b>     | Monoclonal Antibody                                   |
| <b>Synonyms:</b>     | K20, CD20, KRT20, CK-20, KRT21, Cytokeratin 20 (CK20) |
| <b>Clone:</b>        | ARC0288   |
| <b>Applications:</b> | WB   IHC-P   ELISA                                    |
| <b>Conjugation:</b>  | Unconjugated  |
| <b>Reactivity:</b>   | Human, Rat  |

### Antibody Data

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|-----------------------|-----------------------|
| <b>Gene ID:</b>       | 54474                 |
| <b>Uniprot:</b>       | AB_2862534            |
| <b>Host Species:</b>  | Rabbit                |
| <b>Purification:</b>  | Affinity purification |
| <b>Observed MW:</b>   | 48 kDa                |
| <b>Calculated MW:</b> | 48 kDa                |

## Preparation & Storage

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**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:** HT-29, Rat liver

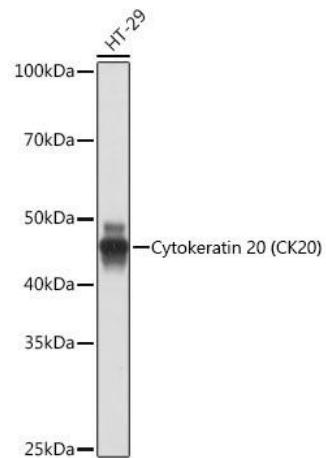
**Recommended Dilutions:**

|              |   |
|--------------|---|
| <b>WB</b>    | 1:1000 - 1:2000   |
| <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. |

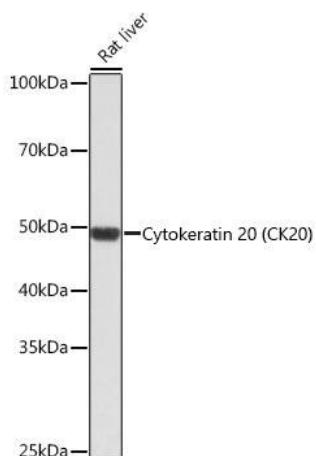
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

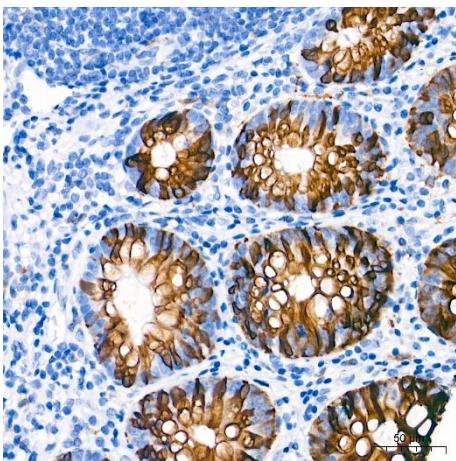
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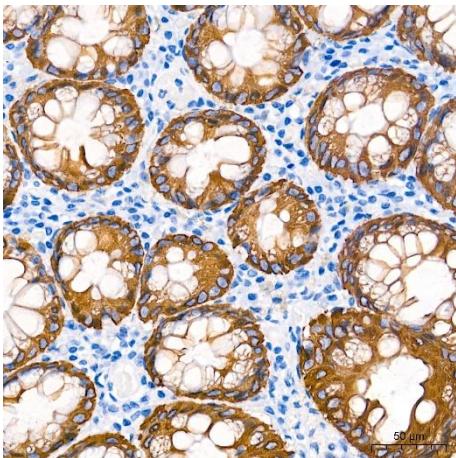
Western blot analysis of lysates from HT-29 cells, using Cytokeratin 20 Rabbit mAb (CAB19041) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Western blot analysis of lysates from Rat liver, using Cytokeratin 20 Rabbit mAb (CAB19041) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using Cytokeratin 20 Rabbit mAb (CAB19041) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Cytokeratin 20 Rabbit mAb (CAB19041) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.