

## Cytokeratin 16 Monoclonal Antibody

**CAB8690**

### Description

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This Cytokeratin 16 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>	CAB8690
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	K16, PC1, CK16, K1CP, NEPPK, FNEPPK, KRT16A, Cytokeratin 16 (KRT16)
<b>Clone:</b>	ARC1783
<b>Applications:</b>	<b>WB</b>   <b>IHC-P</b>   <b>ELISA</b>   <b>IF-P</b>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse

### Antibody Data

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<b>Gene ID:</b>	3868
<b>Uniprot:</b>	-
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	51kDa
<b>Calculated MW:</b>	51kDa

## 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:** Mouse large intestine

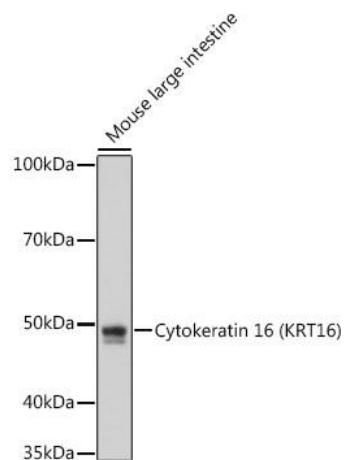
**Recommended Dilutions:**

<b>WB</b>	1:500 - 1:1000
<b>IF-P</b>	1:100 - 1:400
<b>IHC-P</b>	1:500 - 1:2000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

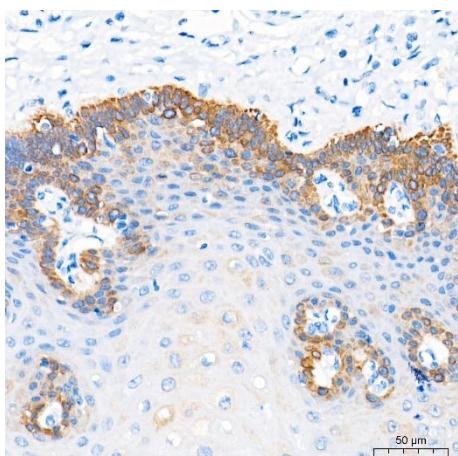
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

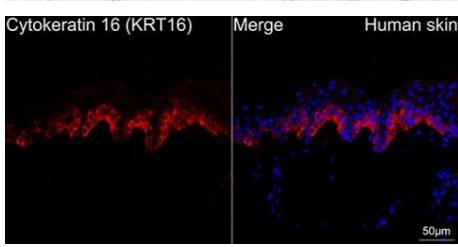
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Western blot analysis of lysates from Mouse large intestine, using Cytokeratin 16 Rabbit mAb (CAB8690) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Cytokeratin 16 Rabbit mAb (CAB8690) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human skin using Cytokeratin 16 Rabbit mAb (CAB8690, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.