

Cytokeratin 1 (KRT1) Monoclonal Antibody

CAB9776

Description

This Cytokeratin 1 (KRT1) 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

SKU: CAB9776

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Monoclonal Antibody

Synonyms: K1, CK1, EHK, AEI2, EHK1, EPPK, KRT1A, NEPPK, Cytokeratin 1 (KRT1)

Clone: ARC1745

Applications: WB ELISA IF-P

Conjugation: Unconjugated

Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 3848

Uniprot: AB_2863779

Host Species: Rabbit

Purification: Affinity purification

Observed MW: 70kDa

Calculated MW: 66kDa

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.

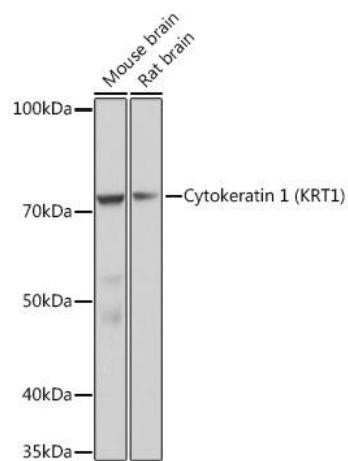
Positive Sample: Mouse brain, Rat brain, A375

Recommended Dilutions:

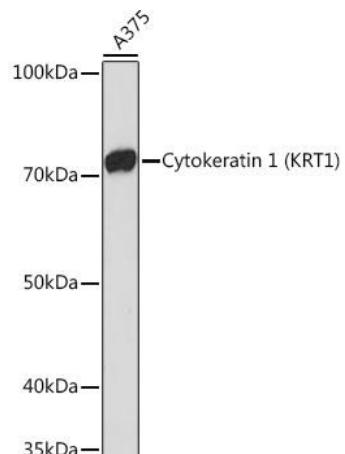
WB	1:500 - 1:2000
IF-P	1:200 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

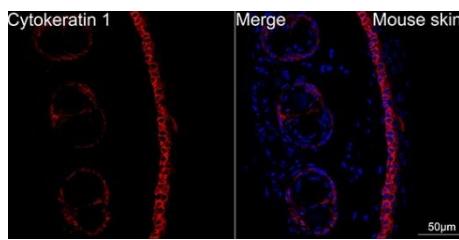
Validation Data



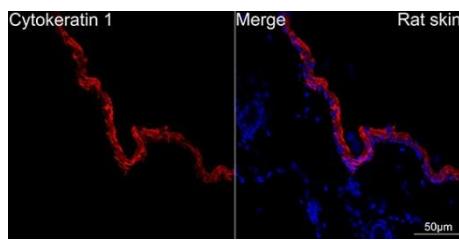
Western blot analysis of various lysates using Cytokeratin 1 Rabbit mAb (CAB9776) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Western blot analysis of lysates from cells, using Cytokeratin 1 Rabbit mAb (CAB9776) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.



Confocal imaging of paraffin-embedded Mouse skin using Cytokeratin 1 Rabbit mAb (CAB9776, 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 0.01M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of paraffin-embedded Rat skin using Cytokeratin 1 Rabbit mAb (CAB9776, 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 0.01M citrate buffer (pH 6.0) prior to IF staining.