

Cytokeratin 4 (KRT4) Monoclonal Antibody

CAB0013

Description

This Cytokeratin 4 (KRT4) 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:	CAB0013
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	K4, CK4, CK-4, CYK4, WSN1, Cytokeratin 4 (KRT4)
Clone:	ARC1804
Applications:	WB IHC-P ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse

Antibody Data

Gene ID:	3851
Uniprot:	AB_2861445
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	57kDa
Calculated MW:	56kDa

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.

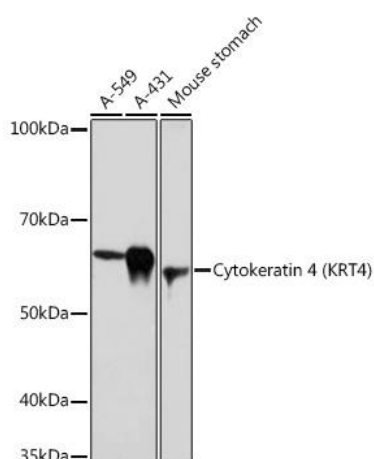
Positive Sample: A549, A-431, Mouse stomach

Recommended Dilutions:

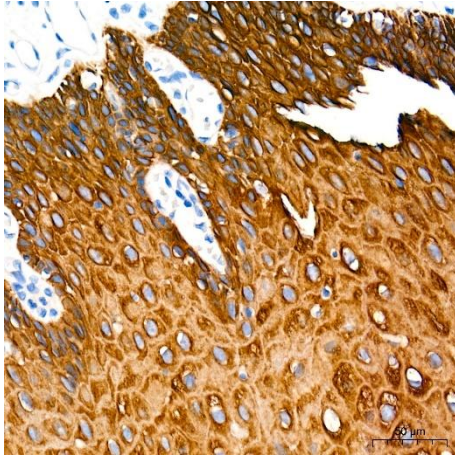
WB	1:1000 - 1:4000
IF-P	1:100 - 1:400
IHC-P	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

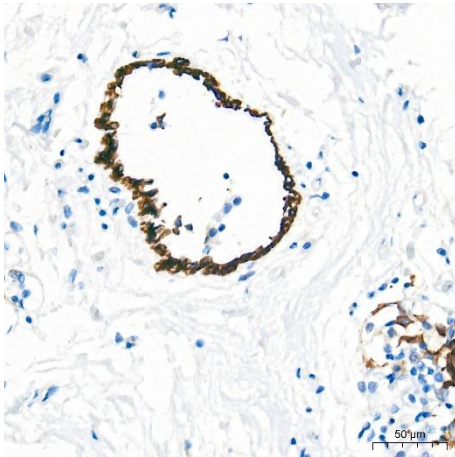
Validation Data



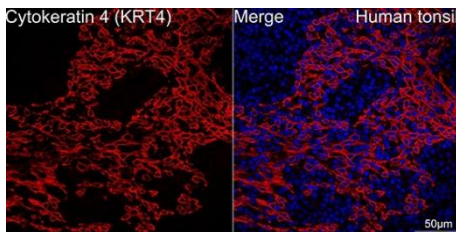
Western blot analysis of various lysates using Cytokeratin 4 Rabbit mAb (CAB0013) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded human esophagus tissue using Cytokeratin 4 Rabbit mAb (CAB0013) at a dilution of 1:500 (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 breast tissue using Cytokeratin 4 Rabbit mAb (CAB0013) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Confocal imaging of human tonsil tissue using Cytokeratin 4 Rabbit mAb (CAB0013,dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.Perform high pressure antigen retrieval with 10 mM citrate buffer (pH 6.0) before commencing with IF staining protocol.