

## Cytokeratin 14 Rabbit mAb

Catalog No: #48956

Package Size: #48956-1 50ul #48956-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

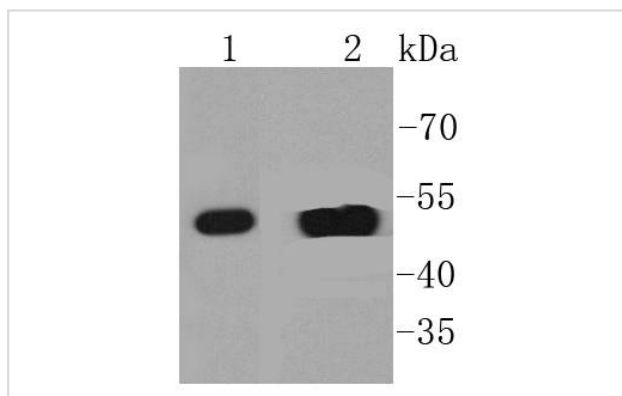
## Description

Product Name	Cytokeratin 14 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC65-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CK 14 antibody CK-14 antibody ck14 antibody Cytokeratin 14 antibody Cytokeratin-14 antibody Cytokeratin14 antibody Dowling Meara antibody EBS3 antibody EBS4 antibody Epidermolysis bullosa simplex antibody K14 antibody K1C14_HUMAN antibody Keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner) antibody Keratin 14 antibody Keratin antibody Keratin type I cytoskeletal 14 antibody Keratin, type I cytoskeletal 14 antibody Keratin-14 antibody Keratin14 antibody Koebner antibody Krt 14 antibody Krt14 antibody NFJ antibody OTTHUMP00000164624 antibody type I cytoskeletal 14 antibody
Accession No.	Swiss-Prot#:P02533
Uniprot	P02533
GeneID	3861;
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

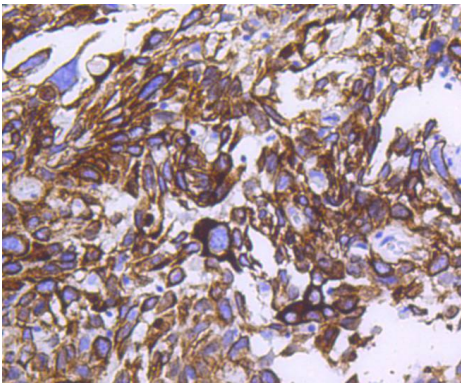
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:100-1:500 ICC: 1:100-1:500

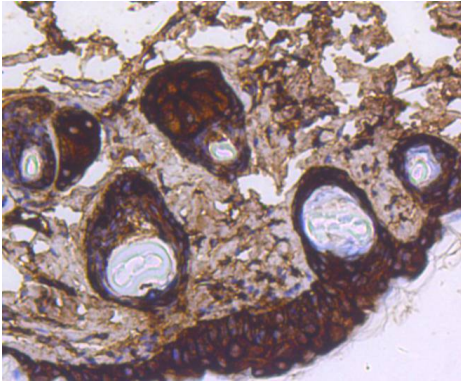
## Images



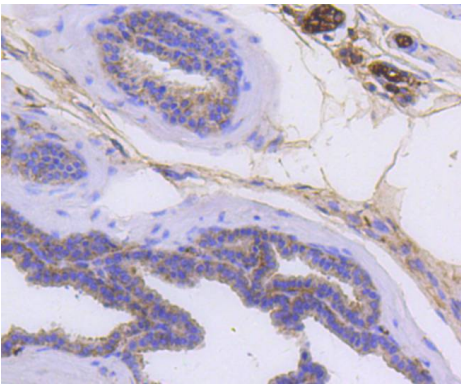
Western blot analysis of Cytokeratin 14 on different lysates using anti-Cytokeratin 14 antibody at 1/1,000 dilution. Positive control: Lane 1: A431 Lane 2: Human skin



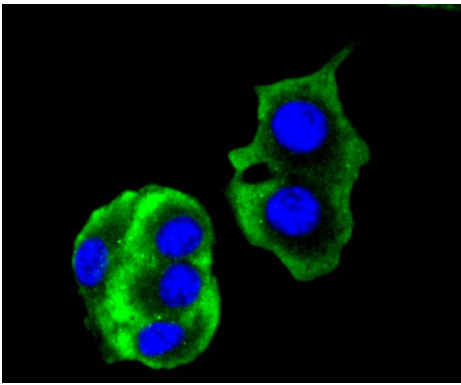
Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Cytokeratin 14 antibody. Counter stained with hematoxylin.



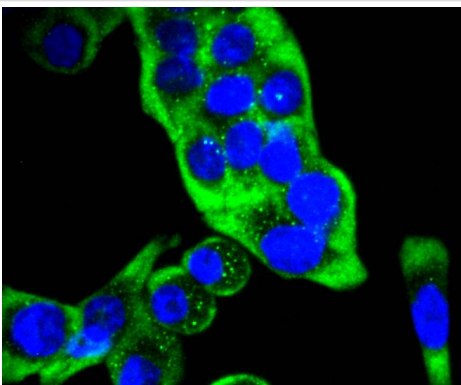
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Cytokeratin 14 antibody. Counter stained with hematoxylin.



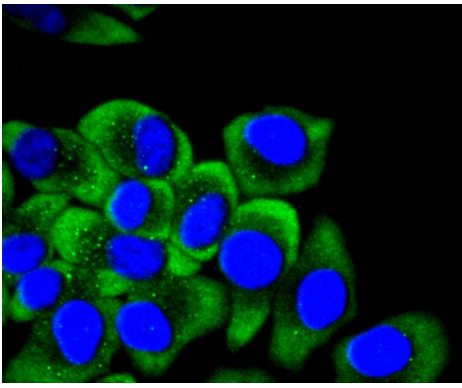
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-Cytokeratin 14 antibody. Counter stained with hematoxylin.



ICC staining Cytokeratin 14 in B16-F1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cytokeratin 14 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cytokeratin 14 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed in pairs in both keratinized and non-keratinized epithelial tissue, where they constitute up to 85% of mature keratinocytes in the vertebrate epidermis. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. The  $\alpha$ -helical coiled-coil dimers associate laterally end-to-end to form 10 nm diameter filaments. Cytokeratins are useful markers of tissue differentiation and, in addition, they aid in the characterization of malignant tumors. In Bowens disease, the characteristic malignancy of the epidermis exhibits distinct expression patterns of Cytokeratin 14. The gene encoding human Cytokeratin 14 maps to chromosome 17q12-21. Mutations in this gene lead to epidermolysis bullosa simplex, an inherited skin disorder characterized by skin blistering due to basal keratinocyte fragility.

## References

Note: This product is for in vitro research use only