

## Cytokeratin 7 Rabbit mAb

Catalog No: #48899

Package Size: #48899-1 50ul #48899-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

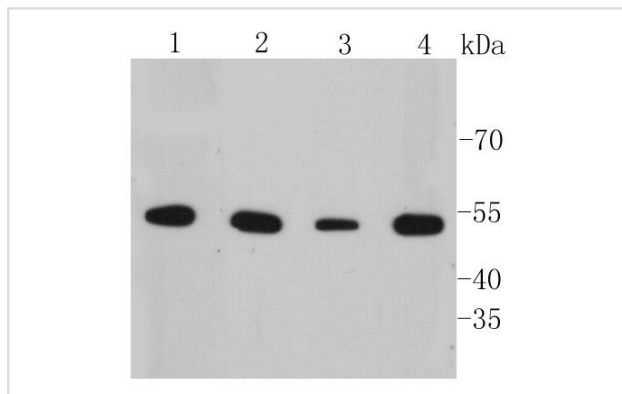
## Description

Product Name	Cytokeratin 7 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST50-05
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	CK 7 antibody CK-7 antibody CK7 antibody Cytokeratin 7 antibody Cytokeratin-7 antibody D15Wsu77e antibody K2C7 antibody K2C7_HUMAN antibody K7 antibody Keratin 7 antibody Keratin 7, type II antibody Keratin type II cytoskeletal 7 antibody Keratin, 55K type II cytoskeletal antibody Keratin, simple epithelial antibody Keratin, simple epithelial type I, K7 antibody Keratin, type II cytoskeletal 7 antibody Keratin-7 antibody Krt2-7 antibody KRT7 antibody MGC11625 antibody MGC129731 antibody MGC3625 antibody Sarcolectin antibody SCL antibody Type II mesothelial keratin K7 antibody Type-II keratin Kb7 antibody
Accession No.	Swiss-Prot#:P08729
Uniprot	P08729
GeneID	3855;
Calculated MW	51 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

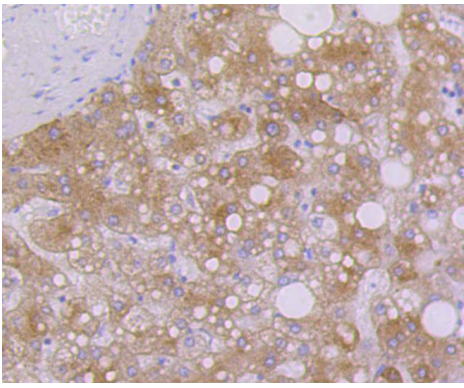
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

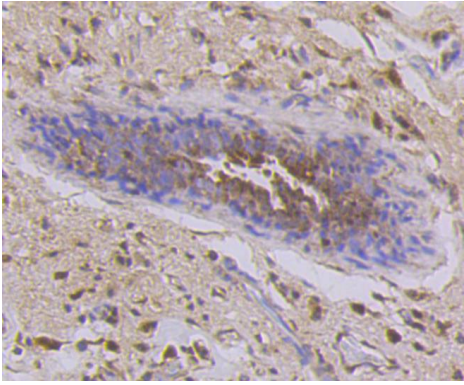
## Images



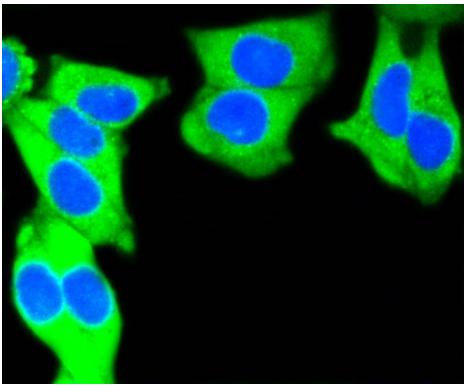
Western blot analysis of Cytokeratin 7 on different lysates using anti-Cytokeratin 7 antibody at 1/1,000 dilution. Positive control: Lane 1: A549 Lane 2: HepG2 Lane 3: SK-BR-3 Lane 4: SW1990



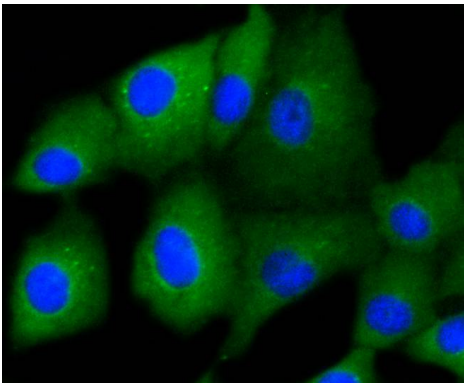
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Cytokeratin 7 antibody. Counter stained with hematoxylin.



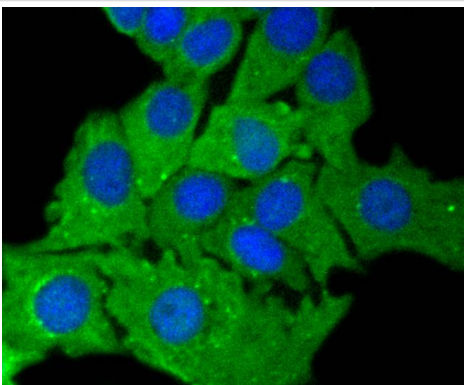
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Cytokeratin 7 antibody. Counter stained with hematoxylin.



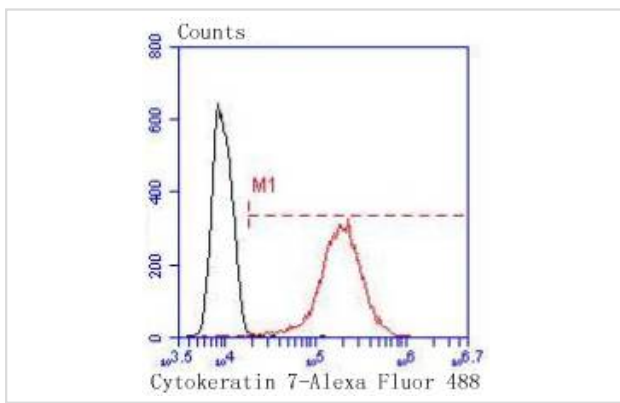
ICC staining Cytokeratin 7 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cytokeratin 7 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cytokeratin 7 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with Cytokeratin 7 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## Background

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as 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. Cytokeratin 7 (also known as sarcolectin) agglutinates normal and transformed cells with a high affinity for simple sugars. Cytokeratin 7 also inhibits the synthesis of interferon-dependent secondary proteins thus reversing the antiviral effect of interferon induction and restoring cells to their status ad primum. In normal and transformed cells, Cytokeratin 7 localizes to the membrane.

## References

Note: This product is for in vitro research use only