

## Cytokeratin 19 Rabbit mAb

Catalog No: #48622



Package Size: #48622-1 50ul #48622-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

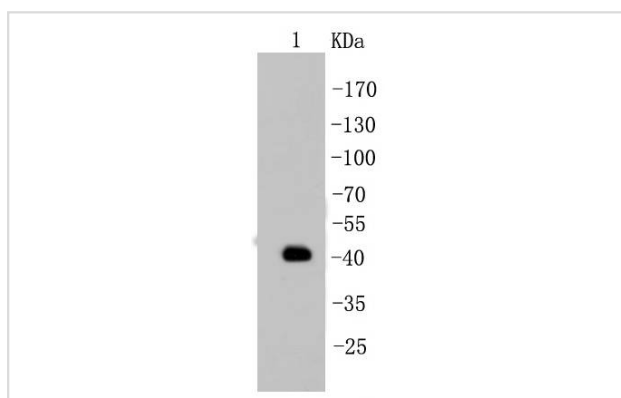
## Description

Product Name	Cytokeratin 19 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SA30-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	40 kDa keratin intermediate filament antibody CK 19 antibody CK-19 antibody CK19 antibody Cytokeratin 19 antibody Cytokeratin-19 antibody K19 antibody K1C19_HUMAN antibody K1CS antibody Keratin 19 antibody Keratin type I 40 kD antibody Keratin type I 40kD antibody Keratin type I cytoskeletal 19 antibody Keratin, type I cytoskeletal 19 antibody Keratin, type I, 40 kd antibody Keratin-19 antibody KRT19 antibody MGC15366 antibody
Accession No.	Swiss-Prot#:P08727
Calculated MW	40 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

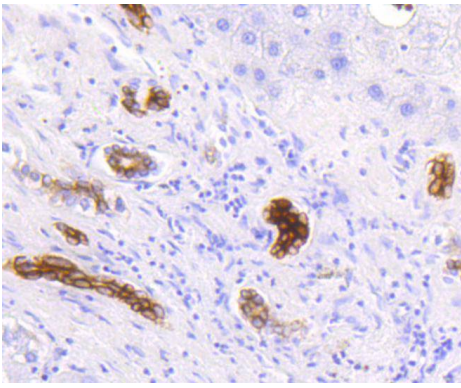
## Application Details

WB: 1:5,000-1:10,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:10-1:100

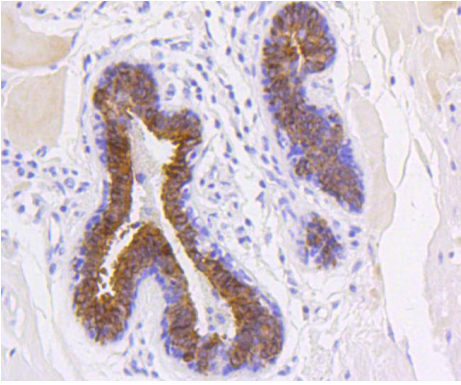
## Images



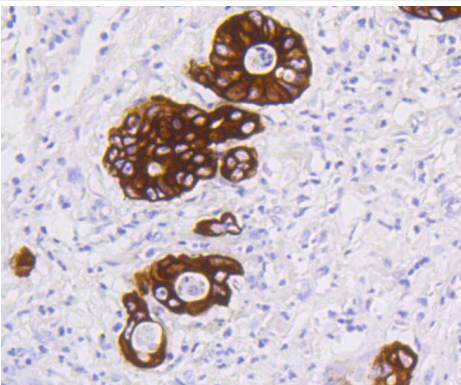
Western blot analysis of Cytokeratin 19 on MCF-7 cell lysates using anti- Cytokeratin 19 antibody at 1/10,000 dilution.



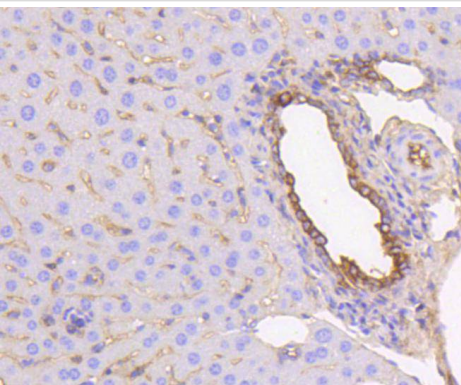
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Cytokeratin 19 antibody. Counter stained with hematoxylin.



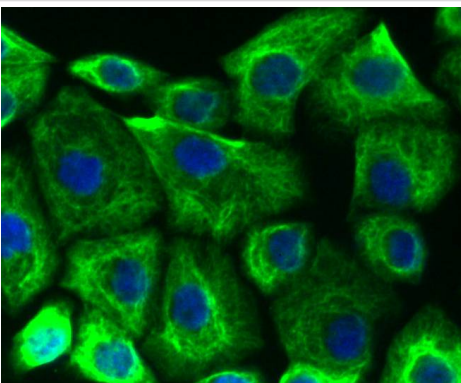
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Cytokeratin 19 antibody. Counter stained with hematoxylin.



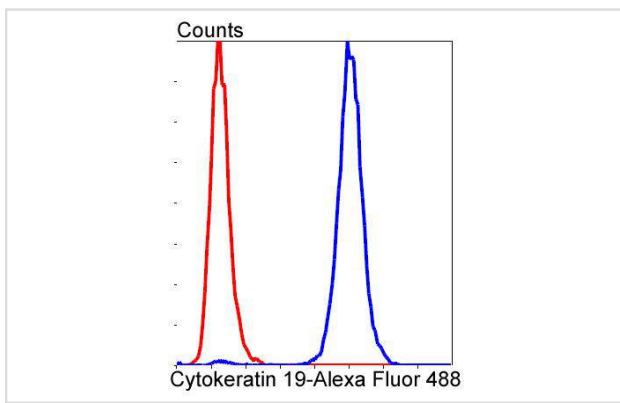
Immunohistochemical analysis of paraffin-embedded human stomach carcinoma tissue using anti-Cytokeratin 19 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Cytokeratin 19 antibody. Counter stained with hematoxylin.



ICC staining Cytokeratin 19 in Ags 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 MCF-7 cells with Cytokeratin 19 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). 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. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells and have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. For example, many types of cancer cells express Cytokeratin 19 (CK19), an epithelial cytoskeletal protein within the suprabasal squamous epithelium. Cytokeratin 19 is a specific marker of moderate to severe dysplasia and carcinoma in situ in oral cavity squamous epithelium, and measurement of Cytokeratin 19 may be a useful marker in diagnosing hepatoma. Cytokeratin 19 fragment levels in serum have been documented as a marker for lung cancer. Clinical investigations have suggested that serum CYFRA 21-1, a fragment of Cytokeratin 19, may be among the most useful tumor markers.

## References

1. Guye P et al. Genetically engineering self-organization of human pluripotent stem cells into a liver bud-like tissue using Gata6. *Nat Commun* 7:10243 (2016).
2. Cui M et al. PTEN is a potent suppressor of small cell lung cancer. *Mol Cancer Res* 12:654-9 (2014).

## Published Papers

el at., Hepatitis B virus-related intrahepatic cholangiocarcinoma originates from hepatocytes *In Hepatol Int On* 2023 Oct by Zimin Song?#?1,?Shuirong Lin et al.. PMID: 37368186, , (2023)

[PMID:37368186](https://pubmed.ncbi.nlm.nih.gov/37368186/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.