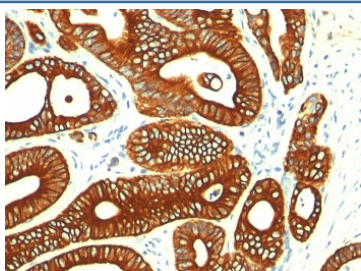


Cytokeratin 18 Antibody [clone KRT18/835] (V2673)

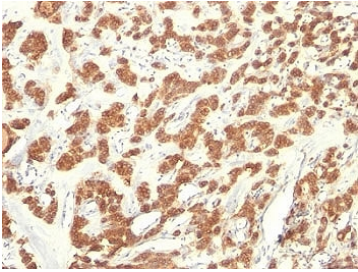
Catalog No.	Formulation	Size
V2673-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2673-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2673SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2673IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

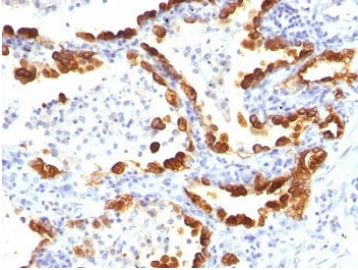
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KRT18/835
Purity	Protein G affinity chromatography
UniProt	P05783
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 18 antibody is available for research use only.



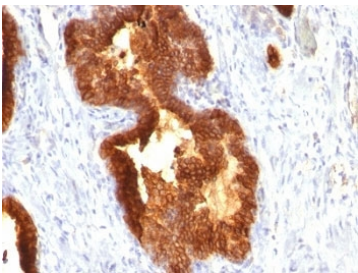
IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cytokeratin 18 antibody (clone KRT18/835).



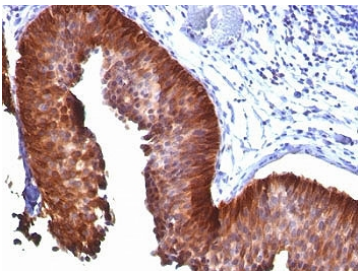
IHC: Formalin-fixed, paraffin-embedded human thyroid carcinoma stained with Cytokeratin 18 antibody (KRT18/835).



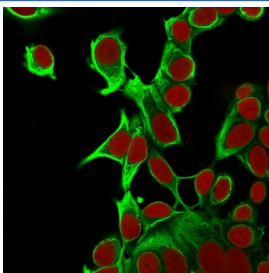
IHC: Formalin-fixed, paraffin-embedded human lung carcinoma stained with Cytokeratin 18 antibody (clone KRT18/835).



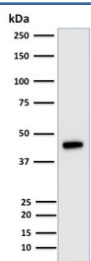
IHC: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Cytokeratin 18 antibody (clone KRT18/835).



IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Cytokeratin 18 antibody (KRT18/835).



Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 18 antibody (green, clone KRT18/835) and Reddot nuclear stain (red).

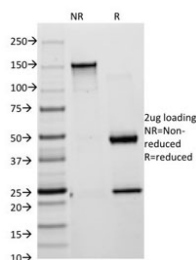


Western blot testing of HCT116 cell lysate with Cytokeratin 18 antibody (clone KRT18/835). Expected molecular weight: 46-50 kDa.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Cytokeratin 18 antibody (clone KRT18/835). These results demonstrate the foremost specificity of the KRT18/835 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Cytokeratin 18 antibody (clone KRT18/835) as confirmation of integrity and purity.

Description

This mAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It is reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Application Notes

Optimal dilution of the Cytokeratin 18 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full-length human KRT18 protein was used as the immunogen for the Cytokeratin 18 antibody.

Storage

Store the Cytokeratin 18 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

