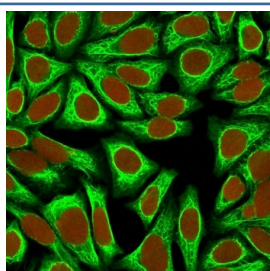


## CK18 Antibody / Cytokeratin 18 [clone KRT18/836] (V2674)

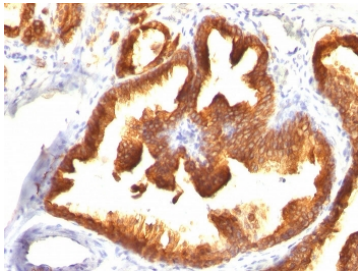
| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V2674-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V2674-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V2674SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V2674IHC-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

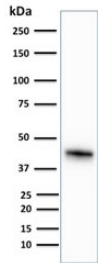
|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                       |
| Species Reactivity | Human                                                                                                                   |
| Format             | Purified                                                                                                                |
| Clonality          | Monoclonal (mouse origin)                                                                                               |
| Isotype            | Mouse IgG1, kappa                                                                                                       |
| Clone Name         | KRT18/836                                                                                                               |
| Purity             | Protein G affinity chromatography                                                                                       |
| UniProt            | P05783                                                                                                                  |
| Localization       | Cytoplasmic                                                                                                             |
| Applications       | Western Blot : 1-2ug/ml<br>Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) |
| Limitations        | This CK18 antibody is available for research use only.                                                                  |



Immunofluorescent staining of human HeLa cells with CK18 antibody (clone KRT18/836, green) and Reddot nuclear stain (red).

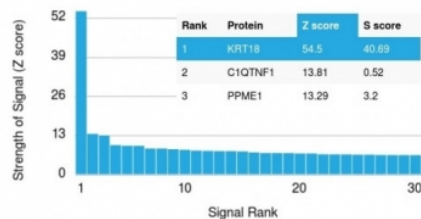


IHC: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with CK18 antibody (clone KRT18/836). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

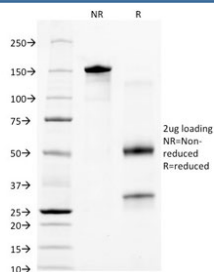


Western blot testing of human HCT-116 cell lysate with CK18 antibody (clone KRT18/836). Predicted molecular weight ~48 kDa.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CK18 antibody (clone KRT18/836). These results demonstrate the foremost specificity of the KRT18/836 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 CK18 antibody (clone KRT18/836) 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 CK18 antibody should be determined by the researcher.

1. 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 human KRT18 protein was used as the immunogen for the CK18 antibody.

## Storage

Store the CK18 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).