

# Cytokeratin 18 (KRT18) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM265 ]

Catalog # AH10569

## Product Information

<b>Application</b>	WB, IF, FC, IHC-P
<b>Primary Accession</b>	<a href="#">P05783</a>
<b>Other Accession</b>	<a href="#">3875</a> , <a href="#">406013</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG1
<b>Clone Names</b>	SPM265
<b>Calculated MW</b>	48058

## Additional Information

<b>Gene ID</b>	3875
<b>Other Names</b>	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18
<b>Application Note</b>	WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
<b>Format</b>	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage</b>	Store at 2 to 8°C. Antibody is stable for 24 months.
<b>Precautions</b>	Cytokeratin 18 (KRT18) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	KRT18
<b>Synonyms</b>	CYK18
<b>Function</b>	Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.
<b>Cellular Location</b>	Nucleus matrix {ECO:0000250 UniProtKB:Q5BJY9}. Cytoplasm, perinuclear region. Nucleus, nucleolus. Cytoplasm {ECO:0000250 UniProtKB:Q5BJY9}

## Tissue Location

Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

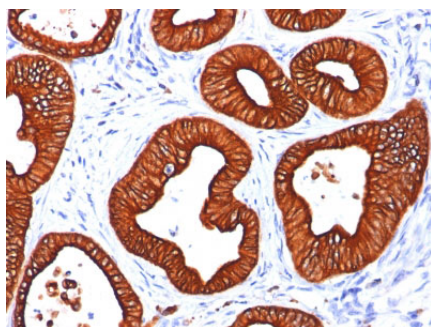
## Background

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.

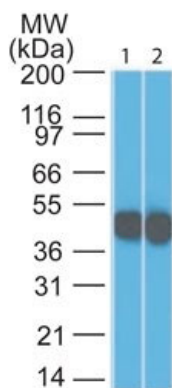
## References

Kovarik J et al. Int J Cancer, Supplement. 3:50-55 (1988). | Lane EB, Alexander CM. Sem Cancer Biol 1:165-179 (1990)

## Images



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (SPM265).



Western Blot 1) HeLa and 2) A431 Lysate using Cytokeratin 18 Monoclonal Antibody (SPM265).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.