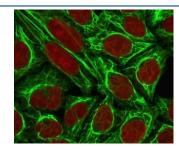


Cytokeratin 18 Antibody [clone CTKN18-1] (V7110)

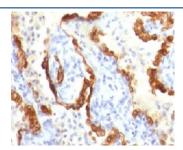
Catalog No.	Formulation	Size
V7110-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7110-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7110SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7110IHC-7ML	Prediluted 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

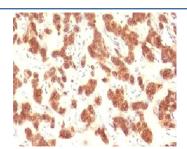
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CTKN18-1
Purity	Protein G affinity chromatography
UniProt	P05783
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This Cytokeratin 18 antibody is available for research use only.



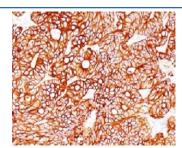
Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 18 antibody (clone CTKN18-1, green) and Reddot nuclear stain (red).



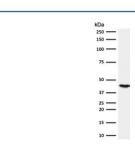
IHC testing of FFPE human lung carcinoma and Cytokeratin 18 antibody (clone CTKN18-1). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 min, followed by cooling at RT for 20 min, prior to staining.



IHC testing of FFPE human thyroid carcinoma and Cytokeratin 18 antibody (clone CTKN18-1). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 min, followed by cooling at RT for 20 min, prior to staining.



IHC testing of FFPE human colon carcinoma and Cytokeratin 18 antibody (clone CTKN18-1). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 min, followed by cooling at RT for 20 min, prior to staining.



Western blot testing of HCT-116 cell lysate with Cytokeratin 18 antibody (clone CTKN18-1). Predicted molecular weight ~48 kDa.

Description

Keratin 18 is a type I cytokeratin. It is, together with its filament partner keratin 8, perhaps the most commonly found products of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. Keratin 18 is often used together with keratin 8 and keratin 19 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood. [Wiki]

Application Notes

Titering of the Cytokeratin 18 antibody may be required for optimal performance.

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

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