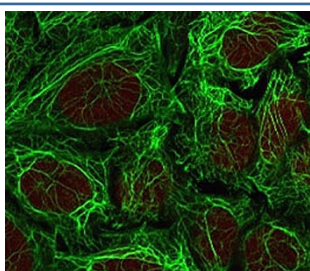


Cytokeratin 7 Antibody [clone CTKN7-1] (V7104)

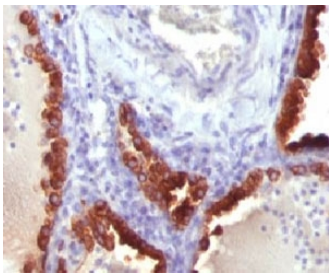
Catalog No.	Formulation	Size
V7104-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7104-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7104SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7104IHC-7ML	Prediluted 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	CTKN7-1
Purity	Protein G affinity chromatography
UniProt	P08729
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 7 antibody is available for research use only.



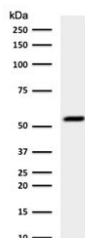
Immunofluorescent staining of methanol-fixed human HeLa cells with Cytokeratin 7 antibody (clone CTKN7-1, green) and Reddot nuclear stain (red).



IHC testing of FFPE human lung carcinoma and Cytokeratin 7 antibody (clone CTKN7-1). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



IHC testing of human ovarian carcinoma and Cytokeratin 7 antibody (clone CTKN7-1). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



Western blot testing of human HeLa cell lysate with Cytokeratin 7 antibody (clone CTKN7-1). Predicted molecular weight ~51 kDa.

Description

Cytokeratin-7 (CK7) is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. CK7 is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. It is found in simple glandular epithelia, and in transitional epithelium. Epithelial cells of the lung and breast both contain CK7, but some other glandular epithelia, such as those of the colon and prostate, do not. Because the protein is found in both healthy and neoplastic cells, antibodies to CK7 can be used in immunohistochemistry to distinguish ovarian and transitional cell carcinomas from colonic and prostate cancers, respectively. It is commonly used together with CK20 when making such diagnoses. [Wiki]

Application Notes

Optimal dilution of the Cytokeratin 7 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 full-length human KRT7 protein was used as the immunogen for the Cytokeratin 7 antibody.

Storage

Store the Cytokeratin 7 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

