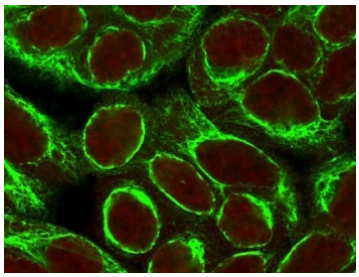
Cytokeratin 8 Antibody [clone CYKN8-1] (V7042)

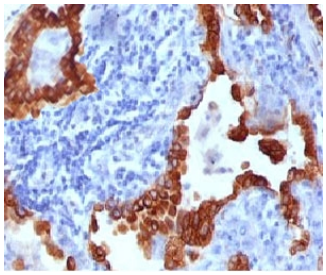
Catalog No.	Formulation	Size
V7042-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7042-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7042SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7042IHC-7ML	Prediluted 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

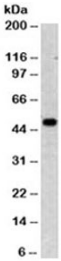
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	CYKN8-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3856
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Western Blot : 1-2ug/ml Immunofluorescence : 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 8 antibody is available for research use only.



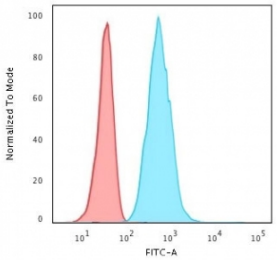
Immunofluorescent staining of permeabilized human HeLa cells with Cytokeratin 8 antibody (clone CYKN8-1, green) and Reddot nuclear stain (red).



IHC testing of FFPE human lung carcinoma stained with Cytokeratin 8 antibody (clone CYKN8-1). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of HeLa cell lysate with Cytokeratin 8 antibody (clone CYKN8-1). Expected molecular weight ~56 kDa.



Flow cytometry testing of permeabilzed human HeLa cells with Cytokeratin 8 antibody (clone CYKN8-1); Red=isotype control, Blue= Cytokeratin 8 antibody.

Description

Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). Cytokeratin 8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibody that recognizes only cytokeratin 8 and 18. Cytokeratin 8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon, stomach, small intestine, trachea, and esophagus as well as in transitional epithelium.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down 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 human protein was used as the immunogen for this Cytokeratin 8 antibody.

Storage

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