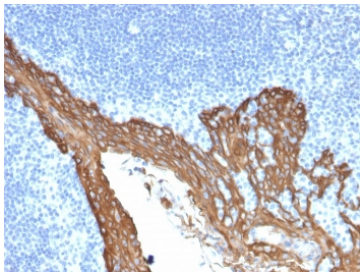
Cytokeratin 8 Antibody / KRT8 [clone KRT8/2115] (V7914)

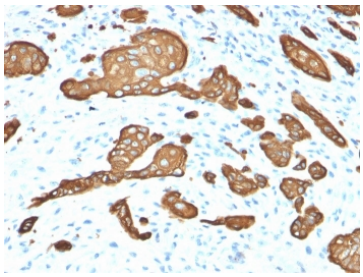
Catalog No.	Formulation	Size
V7914-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7914-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7914SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

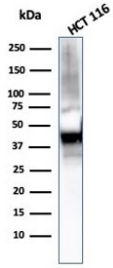
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KRT8/2115
Purity	Protein G affinity chromatography
UniProt	P05787
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Cytokeratin 8 antibody is available for research use only.



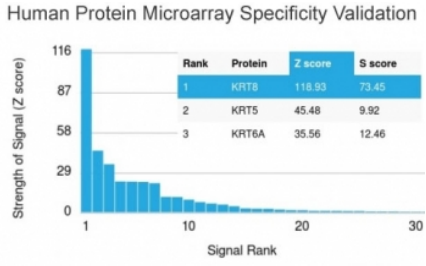
IHC staining of FFPE human prostate with Cytokeratin 8 antibody (clone KRT8/2115). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



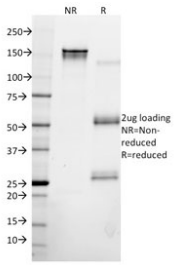
IHC staining of FFPE human skin basal cell carcinoma with Cytokeratin 8 antibody (clone KRT8/2115). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human HCT116 cell lysate with Cytokeratin 8 antibody (clone KRT8/2115). Predicted molecular weight ~56 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Cytokeratin 8 antibody (clone KRT8/2115). These results demonstrate the foremost specificity of the KRT8/2115 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 Cytokeratin 8 antibody (clone KRT8/2115) as confirmation of integrity and purity.

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). CK8 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 antibodies that recognize only cytokeratin 8 and 18. CK8 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. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ('ring-like, perinuclear') from ductal ('peripheral-predominant') carcinoma of the breast.

Application Notes

Optimal dilution of the Cytokeratin 8 antibody should be determined by the researcher.

Immunogen

A recombinant full-length human KRT8 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).