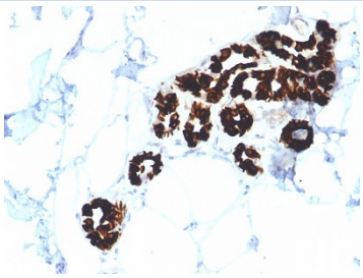
Cytokeratin 15 Antibody [clone KRT15/2554] (V7428)

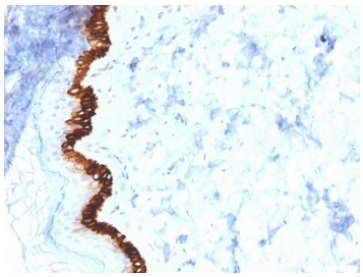
Catalog No.	Formulation	Size
V7428-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7428-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7428SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7428IHC-7ML	Prediluted 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

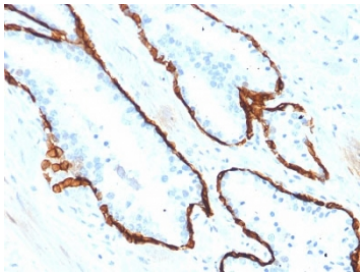
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	KRT15/2554
Purity	Protein G affinity chromatography
UniProt	P19012
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 15 antibody is available for research use only.



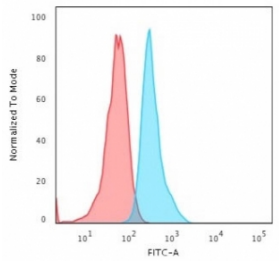
IHC testing of FFPE human basal cell carcinoma with Cytokeratin 15 antibody (clone KRT15/2554). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



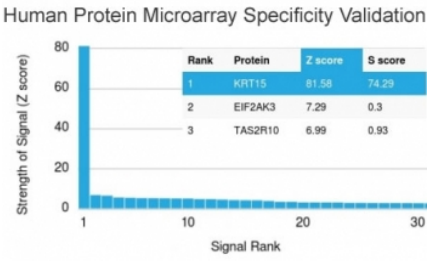
IHC testing of FFPE human basal cell carcinoma with Cytokeratin 15 antibody (clone KRT15/2554). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



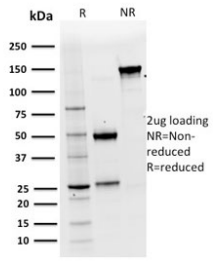
IHC testing of FFPE human prostate carcinoma with Cytokeratin 15 antibody (clone KRT15/2554). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



Flow cytometry testing of fixed and permeabilized human HeLa cells with Cytokeratin 15 antibody (blue) and isotype control (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Cytokeratin 15 antibody (clone KRT15/2554). These results demonstrate the foremost specificity of the KRT15/2554 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 15 antibody (clone KRT15/2554) as confirmation of integrity and purity.

Description

Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Keratin 15 is a type I keratin which is expressed only in basal keratinocytes in stratified epithelia and does not appear to have a natural type II expression partner. Keratin 15 is down regulated in activated keratinocytes. Cytokeratin 15 is a specific marker of stem cells of the hair-follicle bulge and may be a useful marker for diagnosis between basal cell carcinoma (BCC) and trichoepithelioma. Trichoblastoma are benign neoplasms of follicular

differentiation frequently found in nevus sebaceous. Many morphologic features are shared with nodular basal cell carcinoma, sometimes rendering a diagnosis difficult. Trichoblastoma and BCC show variable expression of Cytokeratin 15 and Cytokeratin 19, and absence of hair keratins.

Application Notes

Optimal dilution of the Cytokeratin 15 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 human protein was used as the immunogen for the Cytokeratin 15 antibody.

Storage

Store the Cytokeratin 15 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).