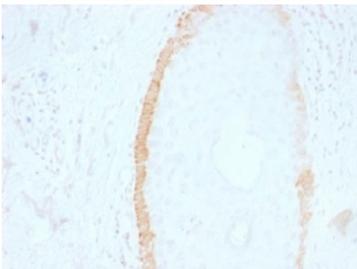


## Cytokeratin 15 Antibody [clone SPM190] (V3455)

Catalog No.	Formulation	Size
V3455-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3455-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3455SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	SPM190
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P19012
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (Frozen & FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Cytokeratin 15 antibody is available for research use only.



IHC testing of FFPE human skin with Cytokeratin 15 antibody (clone SPM190). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

## 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.

## Immunogen

An amino acid sequence from the C-terminal portion of the human protein was used as the immunogen for the Cytokeratin 15 antibody.

## Storage

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