

Cytokeratin 15 Antibody [clone KRT15/1699] (V3311)

Catalog No.	Formulation	Size
V3311-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3311-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3311SAF-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, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	KRT15/1699
Purity	Protein G affinity chromatography
UniProt	P19012
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.1-0.2ug/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 KRT15/1699). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, 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

Recombinant human KRT15 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).