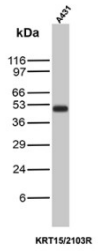
Recombinant Cytokeratin 15 Antibody KRT15/2103R / Rabbit Monoclonal [clone KRT15/2103R] (V3615)

Catalog No.	Formulation	Size
V3615-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3615-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3615SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3615IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

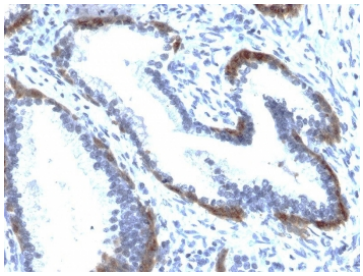
Recombinant RABBIT MONOCLONAL

Bulk quote request

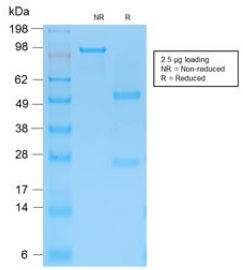
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	KRT15/2103R
Purity	Protein A affinity chromatography
UniProt	P19012
Localization	Cytoplasmic
Applications	Flow cytometry: 1-2ug/10^6 cells Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This Recombinant Cytokeratin 15 Antibody KRT15/2103R is available for research use only.



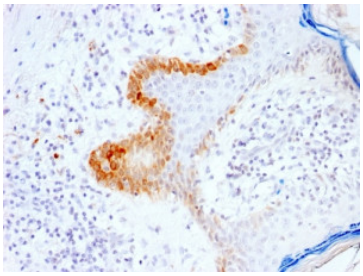
Western blot analysis of human A431 cell lysate using Recombinant Cytokeratin 15 Antibody KRT15/2103R.



IHC testing of FFPE human prostate tissue with recombinant Cytokeratin 15 antibody (clone KRT15/2103R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Cytokeratin 15 antibody (clone KRT15/2103R) as confirmation of integrity and purity.



IHC testing of FFPE human skin with recombinant Cytokeratin 15 antibody (clone KRT15/2103R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 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.

Explore our Cytokeratin 15 Antibody KRT15/2957 for additional research into KRT15 expression, epithelial differentiation, and hair follicle biology.

Application Notes

Optimal dilution of the Recombinant Cytokeratin 15 Antibody KRT15/2103R 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 recombinant Cytokeratin 15 antibody.

Storage

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

Alternate Names

CK15 antibody, Keratin 15 antibody, KRT15 antibody, Cytokeratin-15 antibody, Cytokeratin 15 monoclonal antibody

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