

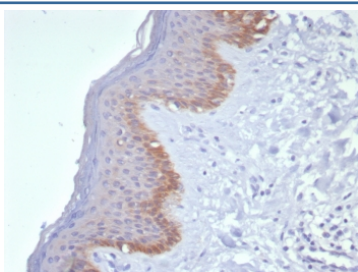
## Cytokeratin 15 Antibody / KRT15 [clone KRT15/8312R] (V4501)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V4501-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4501-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4501SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

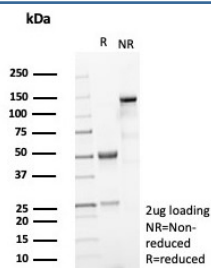
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Clonality</b>          | Recombinant Rabbit Monoclonal                                    |
| <b>Isotype</b>            | Rabbit IgG, kappa  |
| <b>Clone Name</b>         | KRT15/8312R  |
| <b>Purity</b>             | Protein A affinity   |
| <b>UniProt</b>            | P19012   |
| <b>Localization</b>       | Cytoplasm  |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT          |
| <b>Limitations</b>        | This Cytokeratin 15 antibody is available for research use only. |



IHC staining of FFPE human skin tissue with Cytokeratin 15 antibody (clone KRT15/8312R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Cytokeratin 15 antibody (clone KRT15/8312R) as confirmation of integrity and purity.

## Description

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. KRT15 is downregulated in activated keratinocytes. It 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 full-length KRT15 protein was used as the immunogen for the Cytokeratin 15 antibody.

## Storage

Aliquot the Cytokeratin 15 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.