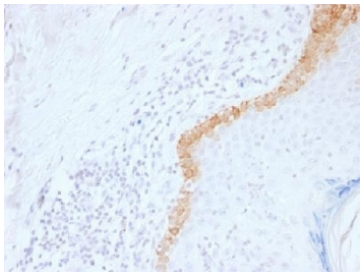
# Keratin 15 Antibody [clone LHK15] (V3286)

| Catalog No. | Formulation | Size |
|---|---|---|
| V3286-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3286-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3286SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

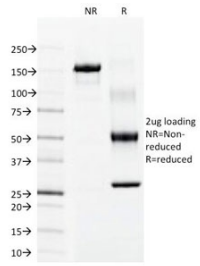
Citations (21)

**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** | LHK15 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P19012 |
| **Localization** | Cytoplasmic |
| **Applications** | Immunohistochemistry (FFPE) : 0.1-0.2ug/ml for 30 min at RT |
| **Limitations** | This Keratin 15 antibody is available for research use only. |



IHC testing of FFPE human skin with Keratin 15 antibody (clone LHK15). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.




SDS-PAGE Analysis of Purified, BSA-Free Keratin 15 Antibody (clone LHK15). Confirmation of Integrity and Purity of the Antibody.

## Description

Keratin 15 antibody is a widely used reagent for exploring keratin 15, a type I intermediate filament protein expressed in epithelial cells. Keratin 15 is especially important as a marker of epithelial stem cell populations, most notably in the bulge region of the hair follicle. Because these cells contribute to tissue repair and regeneration, keratin 15 has become a focus in developmental biology, dermatology, and stem cell research.

As part of the intermediate filament network, keratin 15 provides mechanical support that preserves cell shape and protects epithelial tissues under stress. Its filament assembly connects cells into a resilient structure that withstands stretching and external forces. Beyond structural roles, keratin 15 expression identifies regenerative populations that replenish skin and hair follicles following injury, making it an informative biomarker for regenerative capacity.

The Keratin 15 antibody clone LHK15 has been extensively validated for its reliable detection of keratin 15 in epithelial stem cell niches. Clone LHK15 is widely used to map bulge stem cells within the hair follicle and to examine their contribution to tissue maintenance. Its robust specificity ensures dependable results in both experimental and diagnostic settings, where identification of stem cell markers is critical.

Keratin 15 expression has also been linked to oncology. In some cancers, its presence suggests that stem cell like populations may influence tumor initiation or progression. Research employing clone LHK15 has therefore been valuable not only in regenerative biology but also in cancer studies, where understanding stem cell markers provides insight into disease behavior and therapeutic strategies. By highlighting keratin 15 positive cells, researchers can better define the relationship between stemness and pathology.

NSJ Bioreagents supplies this Keratin 15 antibody to support high quality research into epithelial stem cells, regeneration, and cancer. The protein is also referred to as KRT15 antibody, cytokeratin 15 antibody, CK15 antibody, and type I keratin 15 antibody, terms that reflect the varied ways scientists describe this important epithelial marker.

## Application Notes

Optimal dilution of the Keratin 15 antibody should be determined by the researcher.

## Immunogen

A 17 amino acid sequence from the C- terminal of human CK15 was used as the immunogen for the Keratin 15 antibody.

## Storage

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