

Datasheet for ABIN5707763
anti-KRT15 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	KRT15
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human protein was used as the immunogen for the recombinant Cytokeratin 15 antibody.
Clone:	KRT15-2103R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein A affinity chromatography

Target Details

Target:	KRT15
Alternative Name:	KRT15 / Cytokeratin 15 (KRT15 Products)
Background:	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

Target Details

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 Details

Application Notes: Optimal dilution of the recombinant Cytokeratin 15 antibody 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.\. Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format : incubate for 30 min at RT (1)

Restrictions: For Research Use only

Handling

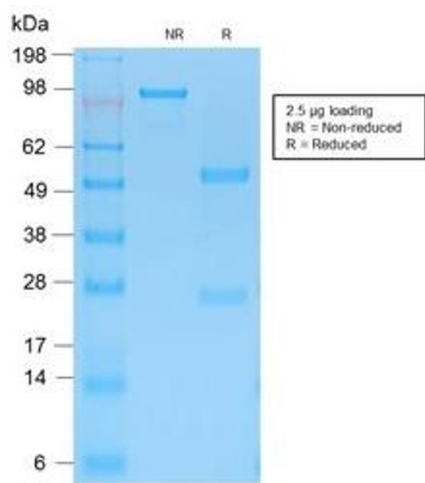
Buffer: 0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

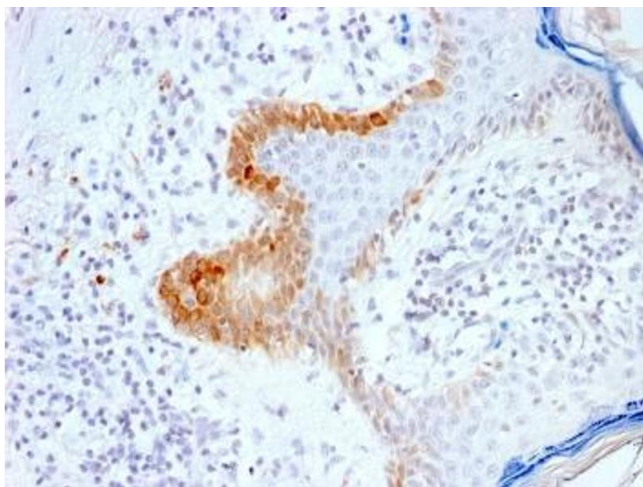
Storage: 4 °C,-20 °C

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



SDS-PAGE

Image 1. SDS-PAGE analysis of purified, BSA-free recombinant Cytokeratin 15 antibody (clone KRT15/2103R) as confirmation of integrity and purity.



Immunohistochemistry

Image 2. 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.