

Datasheet for ABIN6986366

**anti-KRT81 antibody (AA 401-500) (Cy7)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | KRT81                                                                                                                             |
| Binding Specificity: | AA 401-500                                                                                                                        |
| Reactivity:          | Human, Mouse                                                                                                                      |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This KRT81 antibody is conjugated to Cy7                                                                                          |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse KRT81 |
| Isotype:          | IgG                                                       |
| Cross-Reactivity: | Human, Mouse                                              |
| Purification:     | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| Target:           | KRT81                                                                                          |
| Alternative Name: | KRT81 ( <a href="#">KRT81 Products</a> )                                                       |
| Background:       | Synonyms: basic, ghHb 1, ghHb1, ghHkb 1, ghHKb1, hair, Hair keratin K2.9, Hard keratin type II |

## Target Details

1, HB 1, HB1, hHAKB2 1, K2.9, K81, Keratin 81, Keratin, Keratin hair basic 1, Keratin type II cuticular Hb1, Keratin-81, Keratin81, KRT 81, KRT81, KRT81\_HUMAN, KRT81\_MOUSE, KRTHB 1, KRTHB1, Metastatic lymph node 137 gene protein, MLN 137, MLN137, type II cuticular Hb1, Type II hair keratin Hb1, Type-II keratin Kb21.

Background: The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. All hair keratins are expressed in the hair follicle, this hair keratin, as well as KRTHB3 and KRTHB6, is found primarily in the hair cortex. Mutations in this gene and KRTHB6 have been observed in patients with a rare dominant hair disease, monilethrix. [provided by RefSeq, Jul 2008]

Gene ID: 64818

UniProt: [Q9ERE2](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months