

Datasheet for ABIN2812195

**anti-Cytokeratin 5 antibody (AA 331-430) (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                   |
| Target:              | Cytokeratin 5 (KRT5)                                                                                                                                     |
| Binding Specificity: | AA 331-430                                                                                                                                               |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                        |
| Host:                | Rabbit                                                                                                                                                   |
| Clonality:           | Polyclonal                                                                                                                                               |
| Conjugate:           | This Cytokeratin 5 antibody is conjugated to AbBy Fluor® 594                                                                                             |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)),<br>Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CK5 |
| Isotype:              | IgG                                                     |
| Cross-Reactivity:     | Human, Mouse, Rat                                       |
| Predicted Reactivity: | Dog,Cow,Pig,Horse,Rabbit                                |
| Purification:         | Purified by Protein A.                                  |

## Target Details

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Target:           | Cytokeratin 5 (KRT5)                            |
| Alternative Name: | Cytokeratin 5 ( <a href="#">KRT5 Products</a> ) |

## Target Details

Background: Synonyms: Cytokeratin 5, Keratin, type II cytoskeletal 5, CK-5, CK 5, CK5, Keratin-5, K5, 58 kDa cytokeratin, KRT5, DDD, EBS 2, EBS2, K5, Keratin 5 epidermolysis bullosa simplex Dowling-Meara/Kobner/Weber-Cockayne types, Keratin 5, Keratin Type II Cytoskeletal 5, Keratin5, KRT 5, KRT 5A, KRT5, Cytokeratin-5, Cytokeratin5, DDD, epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types, K2C5\_HUMAN, Keratin 5, Keratin, Keratin Type II Cytoskeletal 5, Keratin5, KRT5A, type II cytoskeletal 5, Type-II keratin Kb5.

Background: Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinising tissue (ie., skin) and non keratinising cells (ie., mesothelial cells). Although not a traditional marker for endothelial cells, cytokeratins have also been found in some microvascular endothelial cells. At least 20 different cytokeratins (CK) in the molecular range of 40 to 70 kDa and isoelectric points of 5 to 8.5 can be identified using two dimensional gel electrophoresis. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Defects in KRT5 are a cause of epidermolysis bullosa simplex.

Gene ID: 3852

## Application Details

Application Notes: FCM 1:20-100  
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.

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                            |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |