

Datasheet for ABIN6939923

**anti-KRT17 antibody**

## 4 Images

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## Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µg  |
| Target:      | KRT17   |
| Reactivity:  | Human, Rat, Cow, Pig, Goat  |
| Host:        | Mouse   |
| Clonality:   | Monoclonal  |
| Conjugate:   | This KRT17 antibody is un-conjugated  |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | The cytoskeletal fraction of rat colon epithelium |
| Clone:        | SPM560  |
| Isotype:      | IgG2b kappa                                       |
| Purification: | Purified by Protein A/G                           |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | KRT17  |
| Alternative Name: | KRT17 ( <a href="#">KRT17 Products</a> )   |
| Background:       | Cytokeratin 17 (CK17) is a member of the Cytokeratin subfamily of intermediate filament proteins (IFP's). It is unique in that it is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. CK17 is expressed in the nail bed, hair follicle, |

## Target Details

sebaceous glands and other epidermal appendages. Antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as 'epithelial stem cell' marker because CK17 Ab marks basal cell differentiation. CK17 can be useful when included in a panel of antibodies against TTF-1, napsin A, CK56, p63, and SOX-2 for diagnostic differentiation between lung adenocarcinoma (LADC) and lung squamous cell carcinoma (SCLC), especially for poorly-differentiated lung carcinoma. CK17 is expressed in SCLC much higher than in LADC. In breast carcinomas, approximately 20 % of patients show no expression of ER, PR and Her2, which are defined as triple negative tumor. Eighty-five percent of the triple negative breast carcinomas immunoreact with basal cytokeratins including anti-CK17. Also important is that cases of triple negative breast carcinoma with expression of CK17 show an aggressive clinical course. The histologic differentiation of ampullary cancer, intestinal vs. pancreatobiliary, is very important for treatment. Usually anti-CK17 and anti-MUC1 immunoreactivity represents pancreatobiliary subtype whereas anti-MUC2 and anti-CDX-2 positivity defines intestinal subtype.

|                   |       |
|-------------------|-------|
| Molecular Weight: | 46kDa |
|-------------------|-------|

|          |      |
|----------|------|
| Gene ID: | 3872 |
|----------|------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q04695</a> |
|----------|------------------------|

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | Positive Control: HeLa cells, Skin.<br>Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. |
|--------------------|---|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                |           |
|----------------|-----------|
| Concentration: | 200 µg/mL |
|----------------|-----------|

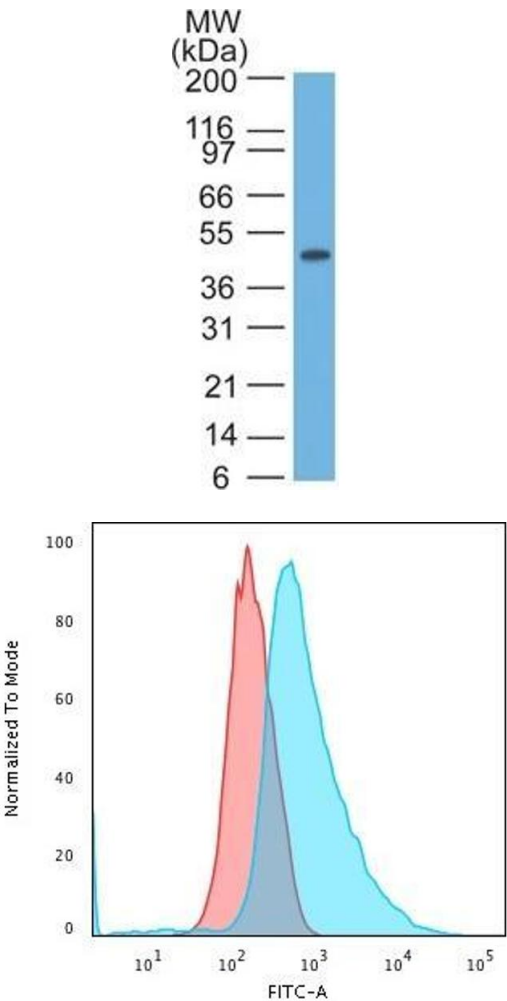
|         |   |
|---------|---|
| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
|---------|---|

|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

Handling

|                    |   |
|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                      |
| Storage:           | 4 °C,-80 °C   |
| Storage Comment:   | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
| Expiry Date:       | 24 months   |

Images

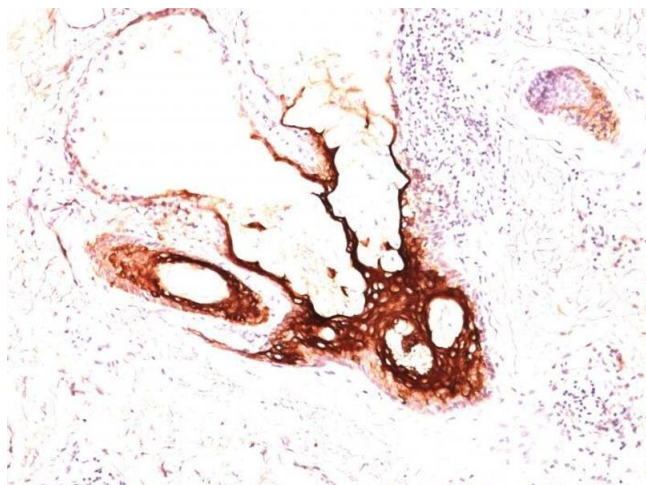


Western Blotting

**Image 1.** Western blot of HeLa lysate using CK17 Monoclonal Antibody (SPM560).

Flow Cytometry

**Image 2.** Flow Cytometric Analysis of PFA-fixed HeLa cells labeling CK17 with CK17 MAb (SPM560) followed by Goat anti-Mouse IgG-CF488 (Blue) Isotype Control (Red)



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human skin stained with CK17 Monoclonal Antibody (SPM560).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939923.