

Datasheet for ABIN6937689

**Recombinant anti-Cytokeratin 18 antibody**[Go to Product page](#)

## Overview

|                |                                                                                                                                    |
|----------------|------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:      | 100 µg                                                                                                                             |
| Target:        | Cytokeratin 18 (KRT18)                                                                                                             |
| Reactivity:    | Human                                                                                                                              |
| Host:          | Rabbit                                                                                                                             |
| Antibody Type: | Recombinant Antibody                                                                                                               |
| Clonality:     | Monoclonal                                                                                                                         |
| Conjugate:     | This Cytokeratin 18 antibody is un-conjugated                                                                                      |
| Application:   | Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS),<br>Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

## Product Details

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|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:   | Recombinant human full-length KRT18 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clone:       | KRT18-2819R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype:     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity: | This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It was reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18. |

## Product Details

|                             |                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| No Cross-Reactivity:        | Chicken, Xenopus laevis                                                                                                              |
| Cross-Reactivity (Details): | Human. Mouse. Rat. Hamster. Ferret. Cow. Pig. Cat. Dog. Sheep. Goat. Horse. Marmoset monkey. Does not react with Chicken or Xenopus. |
| Purification:               | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.                                                                              |

## Target Details

|                   |                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Cytokeratin 18 (KRT18)                                                                                                                                                |
| Alternative Name: | KRT18 ( <a href="#">KRT18 Products</a> )                                                                                                                              |
| Background:       | Cell Proliferation-inducing Gene 46 Protein, CK18, CYK18Cytokeratin Endo B, K18, Keratin-18, Kerd, KRT18,Cytokeratin 18 (KRT18)<br>Cellular localisation: Cytoplasmic |
| Molecular Weight: | 45kDa                                                                                                                                                                 |
| Gene ID:          | 3875, 406013                                                                                                                                                          |
| UniProt:          | <a href="#">P05783</a>                                                                                                                                                |
| Pathways:         | <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a>                                                                                              |

## Application Details

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| Application Notes: | Known_Application: Flow Cytometry (1-2 µg/million cells),Western Blot (1-2 µg/mL),Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.<br>Positive_Control: HCT116, MCF-7, HeLa cells, Breast Cancer. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Handling

|                |                                               |
|----------------|-----------------------------------------------|
| Concentration: | 1.0 mg/mL                                     |
| Buffer:        | Prepared in 10 mM PBS, WITHOUT BSA and Azide. |
| Preservative:  | Azide free                                    |
| Storage:       | -20 °C,-80 °C                                 |

Handling

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|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Storage Comment: | Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. |
| Expiry Date:     | 24 months                                                                                       |