

Datasheet for ABIN7296140  
**anti-KRT14 antibody (N-Term)**



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3 Images

## Overview

|                      |                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                   |
| Target:              | KRT14                                                                                                    |
| Binding Specificity: | N-Term                                                                                                   |
| Reactivity:          | Human, Rat, Mouse                                                                                        |
| Host:                | Rabbit                                                                                                   |
| Clonality:           | Polyclonal                                                                                               |
| Conjugate:           | This KRT14 antibody is un-conjugated                                                                     |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),<br>Immunochromatography (IC) |

## Product Details

|                  |                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:       | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Cytokeratin 14. |
| Specificity:     | Recognizes endogenous levels of Cytokeratin 14 protein.                                                    |
| Characteristics: | Rabbit polyclonal antibody to Cytokeratin 14                                                               |
| Purification:    | The antibody was purified by immunogen affinity chromatography.                                            |

## Target Details

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Target:           | KRT14                                             |
| Alternative Name: | Cytokeratin 14 ( <a href="#">KRT14 Products</a> ) |

Target Details

|             |                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | KRT14, Keratin, type I cytoskeletal 14, Cytokeratin-14, CK-14, Keratin-14, K14, KRT16, KRT16A, Keratin, type I cytoskeletal 16, Cytokeratin-16, CK-16, Keratin-16, K16 |
| Gene ID:    | 3861, 3868, 3872                                                                                                                                                       |
| UniProt:    | <a href="#">P02533</a> , <a href="#">P08779</a> , <a href="#">Q61781</a> , <a href="#">Q9Z2K1</a> , <a href="#">Q6IFV1</a>                                             |

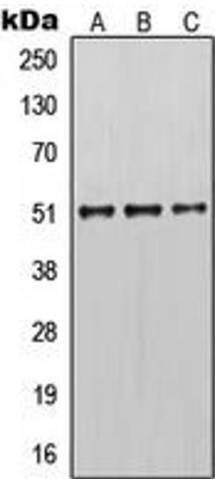
Application Details

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| Application Notes: | WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500) |
| Restrictions:      | For Research Use only                                          |

Handling

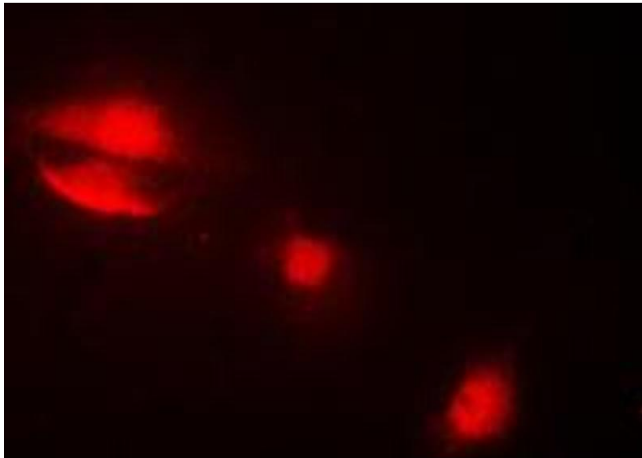
|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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:           | -20 °C                                                                                                                 |
| Storage Comment:   | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                       |
| Expiry Date:       | 12 months                                                                                                              |

Images



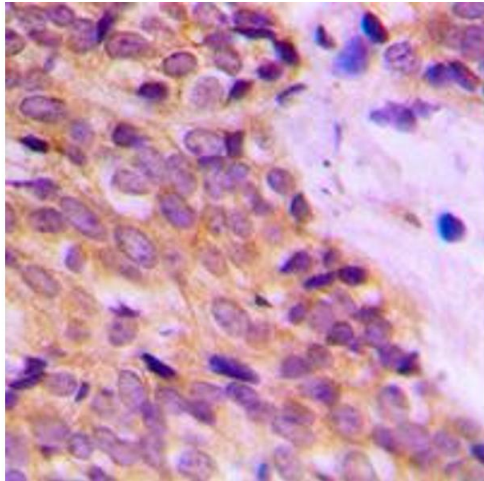
**Western Blotting**

**Image 1.** Western blot analysis of Cytokeratin 14 expression in MCF7 (A), mouse brain (B), rat brain (C) whole cell lysates.



#### Immunofluorescence

**Image 2.** Immunofluorescent analysis of Cytokeratin 14 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of Cytokeratin 14 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.