

Datasheet for ABIN6941353  
**anti-KRT antibody**



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3 Images

### Overview

Quantity:	100 µg
Target:	KRT (KRT126P)
Reactivity:	Human, Mouse, Rat, Dog, Monkey, Rabbit, Chicken, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

### Product Details

Immunogen:	Human epidermal keratins
Clone:	Cocktail PAN-CK
Isotype:	IgG1 kappa
Specificity:	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa (CK6), 55 kDa (CK7), 52 kDa (CK8), 56.5 kDa (CK10), 53 kDa (CK13), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 46 kDa (CK17), 45 kDa (CK18) and 40 kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT-PAN is a broad spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during

## Product Details

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normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.

Purification: Purified by Protein A/G

## Target Details

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Target: KRT (KRT126P)

Alternative Name: KRT ([KRT126P Products](#))

Molecular Weight: 40-67kDa (Multiple)

Gene ID: 374454, 51350

UniProt: [Q7Z794](#), [Q01546](#)

## Application Details

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Application Notes: Positive Control: HeLa, MCF-7, Skin, Adeno- or Squamous carcinomas.  
Known Application: Flow Cytometry (0.5-1 µg/million cells), 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

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Concentration: 200 µg/mL

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

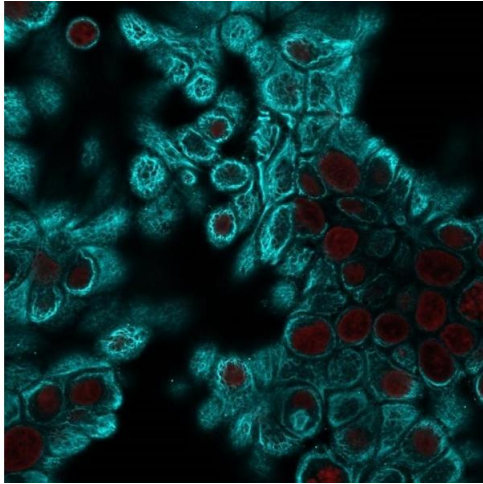
Preservative: Sodium azide

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

Storage: 4 °C,-80 °C

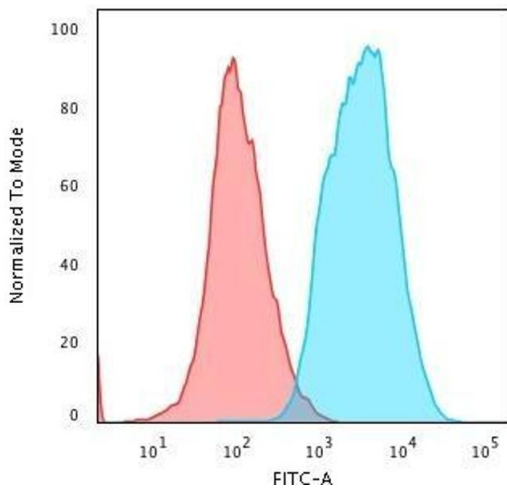
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



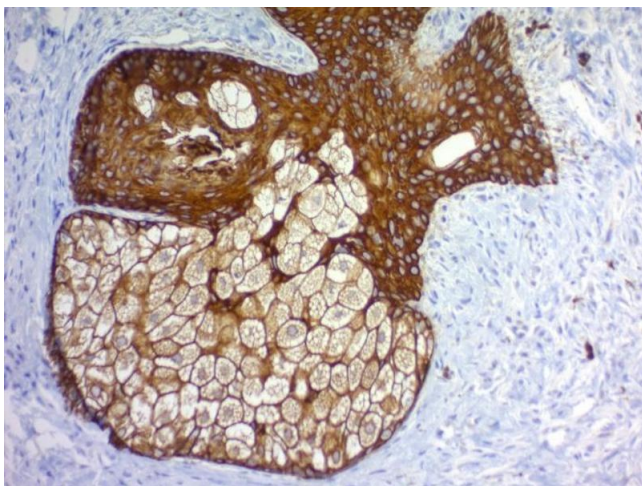
### Immunofluorescence

**Image 1.** Confocal immunofluorescent analysis of HeLa cells using Pan-Cytokeratin Mouse Monoclonal Antibody (PAN-CK) followed by goat anti-mouse IgG-CF488 (cyan). Nuclei are counterstained with NucSpot (red).



### Flow Cytometry

**Image 2.** Flow Cytometric Analysis of human HeLa cells. Pan-Cytokeratin Mouse Monoclonal Antibody (PAN-CK) using followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Pan-Cytokeratin Mouse Monoclonal Antibody (PAN-CK).