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## anti-Cytokeratin 7 antibody





#### Overview

Quantity:	100 μg
Target:	Cytokeratin 7 (KRT7)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS), Staining Methods (StM), Immunostaining (ISt)

#### **Product Details**

Immunogen:	Recombinant full-length human KRT7 protein
Clone:	KRT7-1499R
Isotype:	IgG
Specificity:	It recognizes an intermediate filament protein (IFP) of 55 kDa, which is identified as cytokeratin 7. This MAb is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This MAb is highly

useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

## **Target Details**

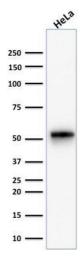
Target:	Cytokeratin 7 (KRT7)
Alternative Name:	KRT7 (KRT7 Products)
Molecular Weight:	55kDa
Gene ID:	3855
UniProt:	P08729

## **Application Details**

Application Notes:	Positive Control: HeLa cells. Carcinoma of ovary, lung, cervix or breast.
	Known Application: Flow Cytometry (0.5-1 $\mu$ g/million cells), Western Blot (0.5-2 $\mu$
	g/mL),Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of
	formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with 1 mM
	EDTA, pH 9.0 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

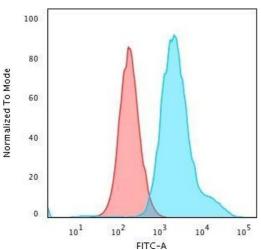
## Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
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



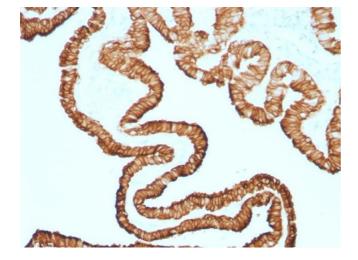
## **Western Blotting**

**Image 1.** Western Blot Analysis of human HeLa cell lysate using Cytokeratin 7 Rabbit Monoclonal Antibody (KRT7/1499R).



#### **Flow Cytometry**

**Image 2.** Flow Cytometric Analysis of PFA-fixed HeLa cells using Cytokeratin 7 Rabbit Recombinant MAb (KRT7/1499R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red)



### **Immunohistochemistry**

**Image 3.** Formalin-fixed, paraffin-embedded human Oviduct stained with Cytokeratin 7 Rabbit Monoclonal Antibody (KRT7/1499R).

Please check the product details page for more images. Overall 4 images are available for ABIN6939879.