# antibodies - online.com







# anti-Cytokeratin 7 antibody

**Images** 



### Overview

Quantity:	100 μL
Target:	Cytokeratin 7 (KRT7)
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 7 antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded
	Sections) (IHC (p)), Immunoprecipitation (IP)

#### **Product Details**

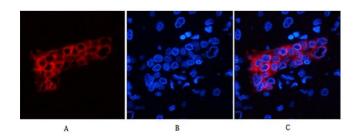
Purpose:	CK7 Monoclonal Antibody
Immunogen:	Synthetic Peptide
Isotype:	IgG1
Specificity:	The antibody detects endogenous CK7 proteins.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen

# Target Details

Target:	Cytokeratin 7 (KRT7)
Alternative Name:	CK7 (KRT7 Products)

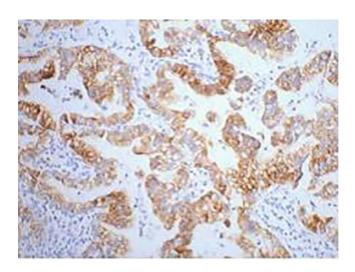
# **Target Details**

Background:	Mouse Anti-CK7 Monoclonal Antibody,KRT7, SCL, Keratin, type II cytoskeletal 7, Cytokeratin-7, CK-7, Keratin-7, K7, Sarcolectin, Type-II keratin Kb7,keratin 7 encoded by KRT7 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants, however, not all variants have been fully described.,Keratin type II cytoskeletal 7
Gene ID:	3855
UniProt:	P08729
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IF (1:50-1:200), IHC-P (1:200), IP (1:200).
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium Azide as preservative and 50 % Glycerol.
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:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



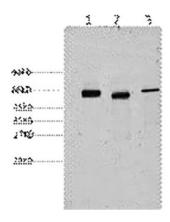
#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of human liver tissue. 1, CK7 Monoclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** IHC-P staining of human lung cancer tissue, diluted at 1:200.



# 1 hela2 mouse-kidney3 mouse-brain

## **Western Blotting**

**Image 3.** Western blot analysis of 1) Hela, 2) mouse kidney, 3) mouse brain, diluted at 1:2000.