

Datasheet for ABIN2664917
anti-Cytokeratin 18 antibody

3 Images



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Cytokeratin 18 (KRT18)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Biochemical Assay (BCA)

Product Details

Clone:	DA-7
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	Cytokeratin 18 (KRT18)
Alternative Name:	Cytokeratin 18 (KRT18 Products)
Background:	Cytokeratin 18, also known as keratin 18, is a type I intermediate filament protein with a molecular weight of approximately 48 kD. Cytokeratin 18 is a heterotetramer composed of two type I and two type II keratins. Cytokeratin 18 associates with cytokeratin 8 and is widely expressed in simple epithelial tissues in adults, where it is found in the cytoplasm, nucleus, and nucleolus. Cytokeratin 18 is associated with the cytoskeleton and mutations in this protein have

Target Details

been associated with liver disease after environmental insult. Cytokeratin 18 can be modified by glycosylation, phosphorylation (Ser34 and Ser53), acetylation (Ser2), and proteolytic cleavage at amino acids 238 and 397 by caspase family members. The cytokeratin 18 protein interacts with a number of proteins including caspase 3, 14-3-3 gamma, 14-3-3 zeta, 14-3-3 sigma 14-3-3 beta, 14-3-3 eta, keratin 5, keratin 8, TNF receptor II, plakophilin 2, EGF receptor, and usherin, among others.

Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide at 0.5 mg/mL.

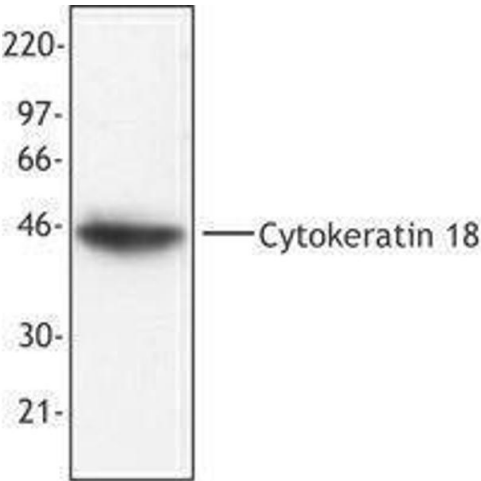
Preservative: Sodium azide

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

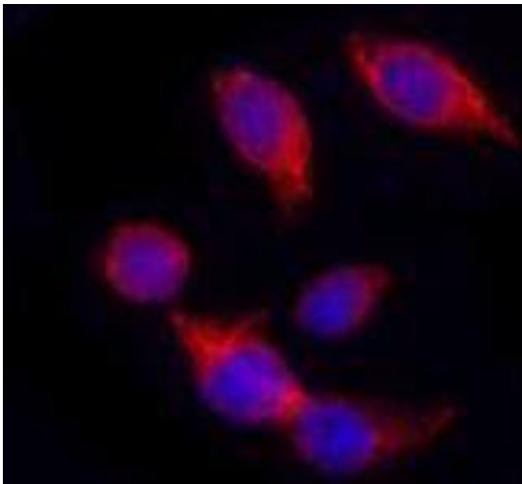
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.

Images

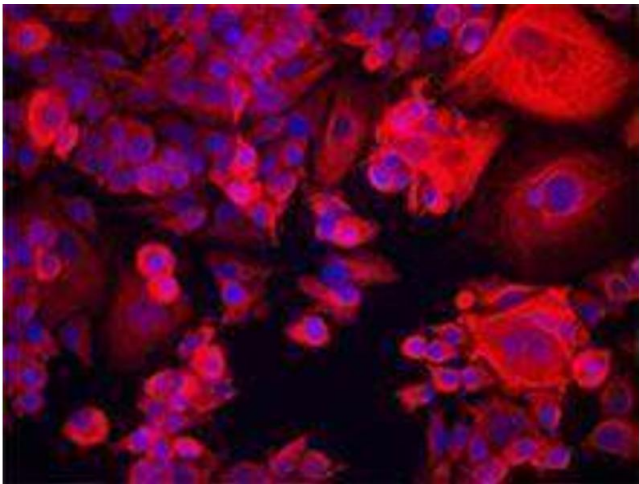


Western Blotting
Image 1.



Immunofluorescence

Image 2.



Immunofluorescence

Image 3.