

Datasheet for ABIN7299322

anti-Cytokeratin 18 antibody (N-Term, pSer33)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	Cytokeratin 18 (KRT18)
Binding Specificity:	N-Term, pSer33
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Cytokeratin 18.
Specificity:	Recognizes endogenous levels of Cytokeratin 18 (pS33) protein.
Characteristics:	Rabbit polyclonal antibody to Cytokeratin 18 (pS33)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	Cytokeratin 18 (KRT18)
Alternative Name:	Cytokeratin 18 (KRT18 Products)

Target Details

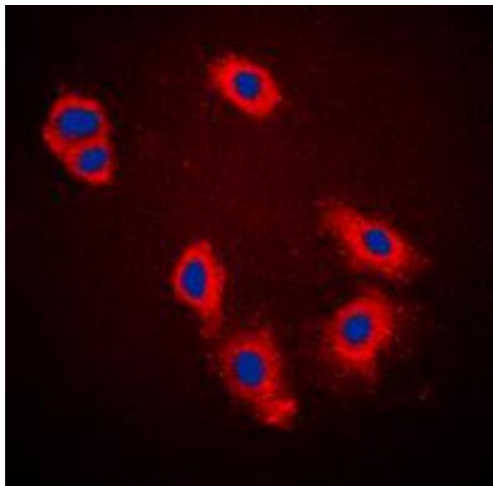
Background:	CYK18, Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18
Gene ID:	3875
UniProt:	P05783
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

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

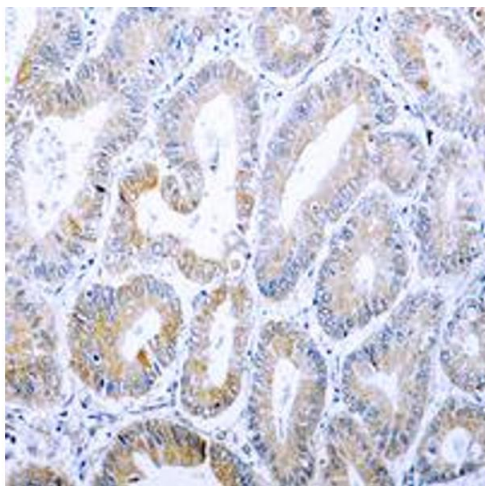
Handling

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



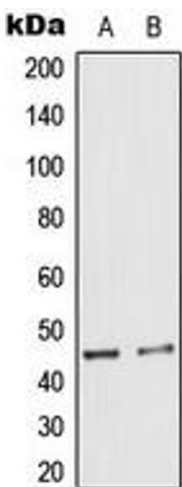
Immunofluorescence

Image 1. Immunofluorescent analysis of Cytokeratin 18 (pS33) staining in A431 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 2. Immunohistochemical analysis of Cytokeratin 18 (pS33) staining in human colon 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.



Western Blotting

Image 3. Western blot analysis of Cytokeratin 18 (pS33) expression in A431 (A), HeLa (B) whole cell lysates.