

Datasheet for ABIN2856142
anti-Cytokeratin 18 antibody



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4 Images

Overview

Quantity:	100 µL
Target:	Cytokeratin 18 (KRT18)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Cytokeratin 18. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse
Characteristics:	Rabbit polyclonal antibody to Cytokeratin 18 (keratin 18) Cytokeratin 18 antibody [N2C2], Internal
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	Cytokeratin 18 (KRT18)
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Target Details

Alternative Name:	keratin 18 (KRT18 Products)
Background:	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. Cellular Localization: Cytoplasm , perinuclear region
Molecular Weight:	48 kDa
Gene ID:	3875
UniProt:	P05783
Pathways:	Apoptosis , Caspase Cascade in Apoptosis

Application Details

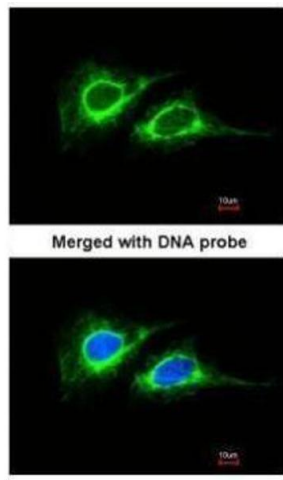
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: H1299 , HepG2 , HeLa Validation: KO/KD
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.54 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

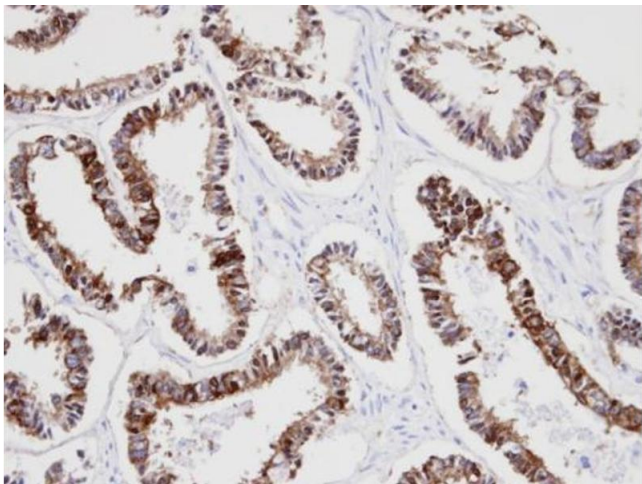
multiple freeze-thaw cycles.

Images



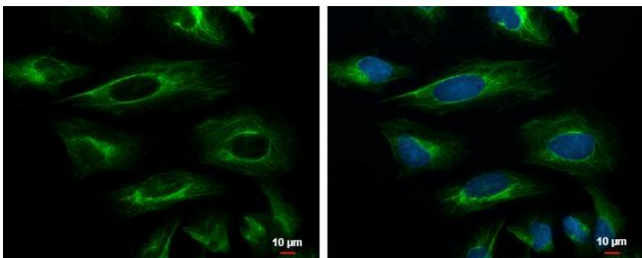
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using Cytokeratin 18 , antibody at 1:200 dilution.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human endometrial ovarian cancer, using KRT18, antibody at 1:100 dilution.



Immunofluorescence

Image 3. ICC/IF Image Cytokeratin 18 antibody [N2C2], Internal detects Cytokeratin 18 protein at cytoskeleton by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Cytokeratin 18 protein stained by Cytokeratin 18 antibody [N2C2], Internal , diluted at 1:200. Blue: Hoechst 33342 staining. Scale bar = 10 µm.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856142.