

Basic Information

Product Name	Anti-Cytokeratin 18/KRT18 Antibody (Clone#716)	
Gene Name	KRT18	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, IF, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human Cytokeratin 18 recombinant protein (Position: E204-H430). Human Cytokeratin 18 shares 87.7% and 85.9% amino acid (aa) sequence identity with mouse and rat Cytokeratin 18, respectively.	
Concentration	500 ug/ml	
Purification	protein G purified.	
Observed MW	48 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Immunofluorescence (IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

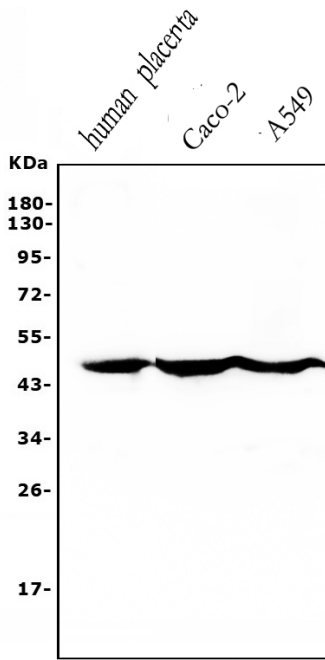
Background Information

Keratin 18, mapped to 12q13.13, is a type I cytokeratin. It is, together with its filament partner keratin 8, perhaps the most commonly found products 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.

Reference

Anti-Cytokeratin 18/KRT18 Antibody (Clone#716)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-Cytokeratin 18/KRT18 antibody (M01357-4).

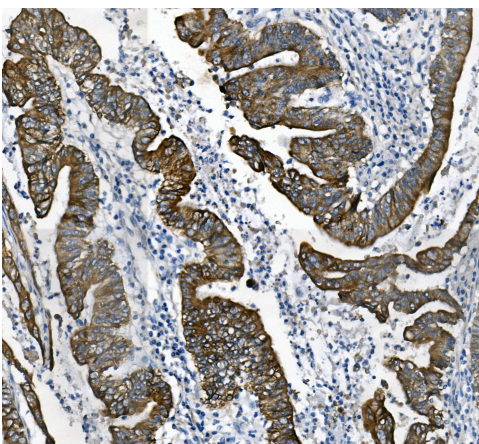
The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human placenta tissue lysates,

Lane 2: human Caco-2 whole cell lysates,

Lane 3: human A549 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-Cytokeratin 18/KRT18 antigen affinity purified monoclonal antibody (M01357-4) and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Cytokeratin 18/KRT18 at approximately 48 kDa. The expected band size for Cytokeratin 18/KRT18 is at 48 kDa.

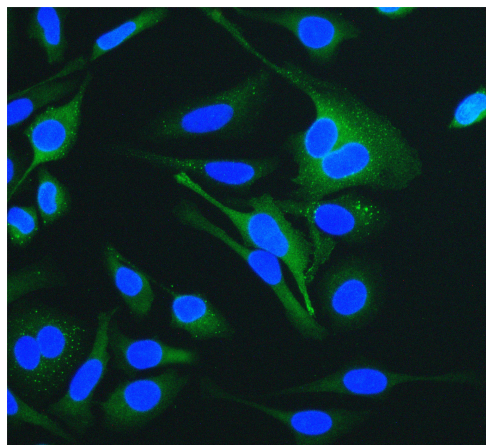


IHC analysis of Cytokeratin 18/KRT18 using anti-Cytokeratin 18/KRT18 antibody (M01357-4).

Cytokeratin 18/KRT18 was detected in a paraffin-embedded section of human rectal cancer tissue. The tissue section was incubated with mouse anti-Cytokeratin 18/KRT18 Antibody (M01357-4) at a dilution of 1:200 and developed using HRP Conjugated mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB (Catalog # AR1027) as the chromogen.

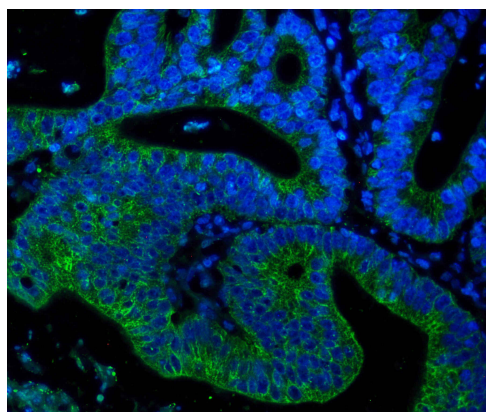
Anti-Cytokeratin 18/KRT18 Antibody (Clone#716)

Catalog Number: M01357-4



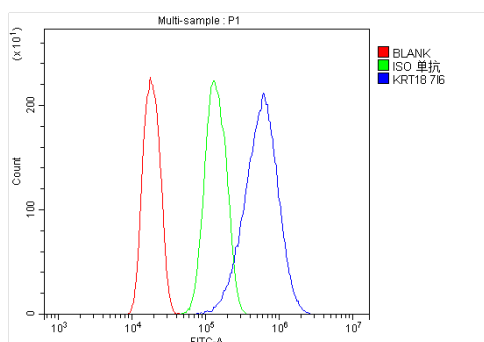
IF analysis of Cytokeratin 18/KRT18 using anti-Cytokeratin 18/KRT18 antibody (M01357-4).

Cytokeratin 18/KRT18 was detected in an immunocytochemical section of Hela cells. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



IF analysis of Cytokeratin 18/KRT18 using anti-Cytokeratin 18/KRT18 antibody (M01357-4).

Cytokeratin 18/KRT18 was detected in a paraffin-embedded section of human placenta tissue. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of A431 cells using anti-Cytokeratin 18/KRT18 antibody (M01357-4).

Overlay histogram showing A431 cells stained with M01357-4 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-Cytokeratin 18/KRT18 Antibody (M01357-4) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Product datasheet

**Anti-Cytokeratin 18/KRT18 Antibody
(Clone#7I6)**

Catalog Number: M01357-4



antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

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