

Anti-Cytokeratin 18 Krt18 Rabbit Monoclonal Antibody

Catalog Number: M01357-2

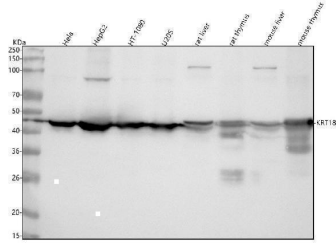
Overview

Product Name	Anti-Cytokeratin 18 Krt18 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cytokeratin 18 Krt18 Rabbit Monoclonal Antibody catalog # M01357-2. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal GBF-11
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05783

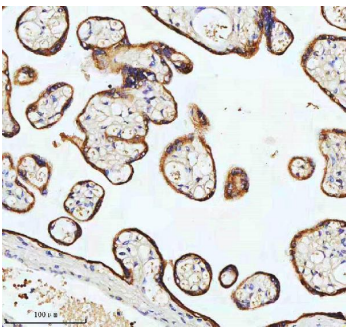
Technical Details

Immunogen	A synthesized peptide derived from human Cytokeratin 18
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 FC 1:60

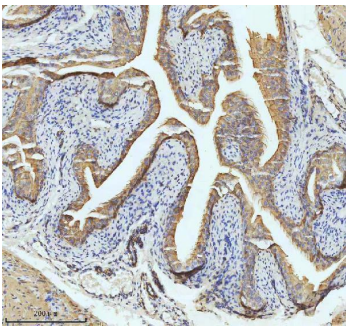
Anti-Cytokeratin 18 Krt18 Rabbit Monoclonal Antibody (M01357-2) Images



Western blot analysis of Cytokeratin 18 using anti-Cytokeratin 18 antibody (M01357-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human HT-1080 whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat thymus tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse thymus tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Cytokeratin 18 antigen affinity purified monoclonal antibody (Catalog # M01357-2) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Cytokeratin 18 at approximately 48 kDa. The expected band size for Cytokeratin 18 is at 48 kDa.

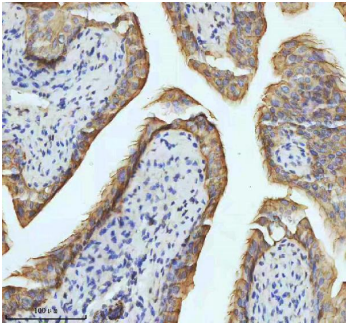


IHC analysis of Cytokeratin 18 using anti-Cytokeratin 18 antibody (M01357-2). Cytokeratin 18 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-Cytokeratin 18 Antibody (M01357-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

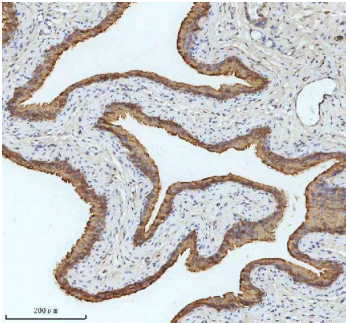


IHC analysis of Cytokeratin 18 using anti-Cytokeratin 18 antibody (M01357-2). Cytokeratin 18 was detected in a paraffin-embedded section of mouse bladder tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-Cytokeratin 18 Antibody (M01357-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

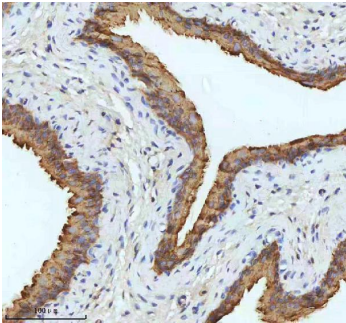
IHC analysis of Cytokeratin 18 using anti-Cytokeratin 18



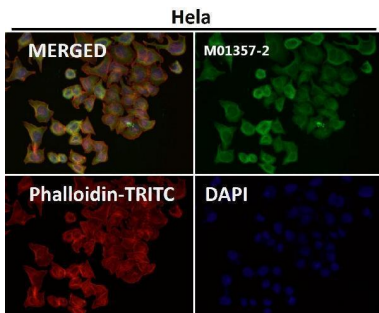
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IHC analysis of Cytokeratin 18 using anti-Cytokeratin 18 antibody (M01357-2). Cytokeratin 18 was detected in a paraffin-embedded section of rat bladder tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-Cytokeratin 18 Antibody (M01357-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

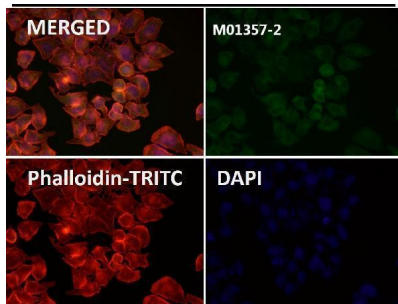
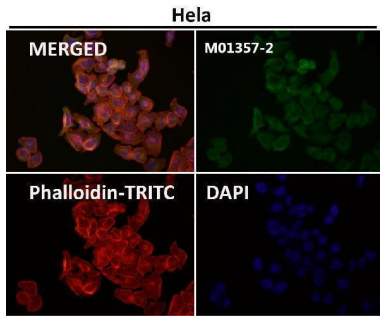


IHC analysis of Cytokeratin 18 using anti-Cytokeratin 18 antibody (M01357-2). Cytokeratin 18 was detected in a paraffin-embedded section of rat bladder tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-Cytokeratin 18 Antibody (M01357-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

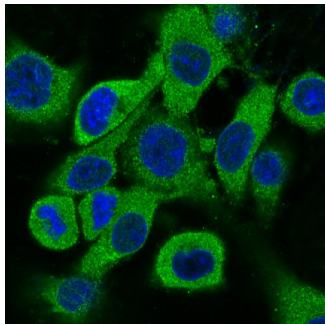


Immunofluorescent analysis using the Antibody at 1:50 dilution.

Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.



Immunofluorescent analysis of pc-12 cells, using Cytokeratin 18 Antibody.

6 Publications Citing This Product

1. PubMed ID: 33069797, Shi R,Liu L,Wang F,He Y,Niu Y,Wang C,Zhang X,Zhang X,Zhang H,Chen M,Wang Y.Downregulation of cytokeratin 18 induces cellular partial EMT and stemness through increasing EpCAM expression in breast cancer.Cell Signal.2020 Dec;76:109810.doi:10.1016/j.cellsig
2. PubMed ID: 22144492, Small intestinal intraepithelial lymphocytes expressing CD8 and T cell receptor α and β are involved in bacterial clearance during Salmonella enterica serovar Typhimurium 2026
3. PubMed ID: 25537517, Xu B,, Jin X,, Min L, Li Q,, Deng L,, Wu H, Lin G, Chen L, Zhang H, Li C, Wang L, Zhu J,, Wang W,, Chu F,, Shen J,, Li H, Mao J., Oncotarget. 2015 Feb 10;6(4):2434-50. Chloride Channel-3 Promotes Tumor Metastasis By Regulating Membrane Ruffling An...

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