

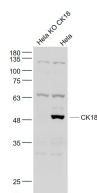
bs-2043R**[Primary Antibody]****CK18 Rabbit pAb****BioSS**
ANTIBODIES

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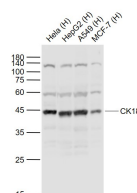
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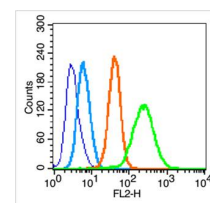
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3875**SWISS:** P05783**Target:** CK18**Immunogen:** KLH conjugated synthetic peptide derived from human CK18: 53-150/430.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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. [provided by RefSeq, Jul 2008]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1:100-200)**ICC/IF** (1:100-500)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Chicken, Dog)**Predicted MW.:** 48 kDa**Observed MW.:** 45-48 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

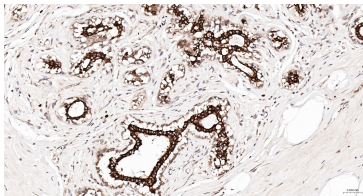
Sample: HeLa KO CK18 (Human) Cell Lysate at 30 ug
 HeLa(Human) Cell Lysate at 30 ug
 Primary: Anti-CK18 (bs-2043R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 48 kD
 Observed band size: 48 kD



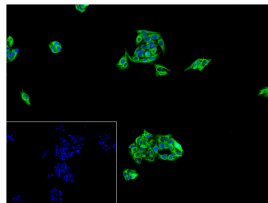
Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug
 Lane 2: HepG2 (Human) Cell Lysate at 30 ug
 Lane 3: A549 (Human) Cell Lysate at 30 ug
 Lane 4: MCF-7 (Human) Cell Lysate at 30 ug
 Primary: Anti-CK18 (bs-2043R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 48 kD
 Observed band size: 45 kD



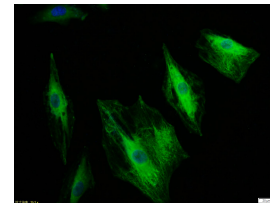
Blank control (blue line): HepG2 (blue). Primary Antibody (green line): Rabbit Anti-CK18 antibody (bs-2043R) Dilution: 0.2µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% methanol for 20 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



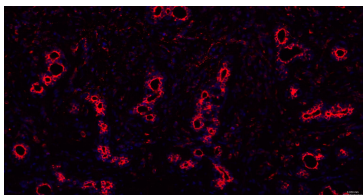
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-2043R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



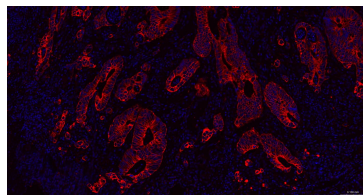
4% Paraformaldehyde-fixed HepG2 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (CK18) polyclonal Antibody, unconjugated (bs-2043R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



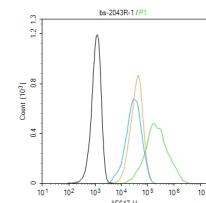
Tissue/cell:A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Antibody incubation with (CK18) polyclonal Antibody, Unconjugated (bs-2043R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



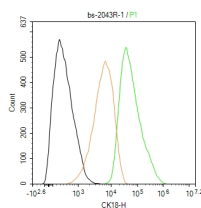
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-2043R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-2043R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control:HeLa. Primary Antibody (green line): Rabbit Anti-CK18 antibody (bs-2043R) Dilution: 1μg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-BF647 Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



The HepG2 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Cells stained with Primary Antibody for 30 min at room temperature,followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-CK18 antibody (bs-2043R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=10.2]** Fei Sun. et al. In Situ Vascularization and Epithelialization of Segmental Bioengineered Trachea Based on

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- **[IF=7.8]** Cao Liguang. et al. AMP-activated protein kinase–Caspase 6 axis regulation alleviates the combined apoptotic damage caused by deoxynivalenol and fumonisin B1 in mammary glands. NPJ SCI FOOD. 2025 Nov;; IF ;Bovine. 41290726
- **[IF=7.7]** Yi Lu. et al. Enhancing epithelial regeneration with gelatin methacryloyl hydrogel loaded with extracellular vesicles derived from adipose mesenchymal stem cells for decellularized tracheal patching.. INT J BIOL MACROMOL. 2025 Jan;284:137927 IHC,IF ;Rat. 39603308
- **[IF=6.8]** Ye Jiazhou. et al. Single cell-spatial transcriptomics and bulk multi-omics analysis of heterogeneity and ecosystems in hepatocellular carcinoma. NPJ PRECIS ONCOL. 2024 Nov;8(1):1-18 IHC ;Human. 39548284
- **[IF=6.543]** Yang Lili. et al. Elucidating the Novel Mechanism of Ligustrazine in Preventing Postoperative Peritoneal Adhesion Formation. Oxid Med Cell Longev. 2022;2022:9226022 WB,IF ;Rat,Human. 35308169