

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

Bioss
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

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.

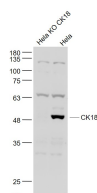
Background: KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in 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** (0.2µg /test)**ICC/IF** (1:100)

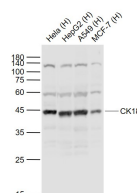
Reactivity: Human, Rat
(predicted: Mouse, Rabbit, Chicken, Dog)

Predicted MW.: 48 kDa

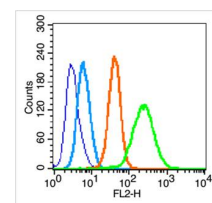
Subcellular Location: Cytoplasm ,Nucleus

— VALIDATION IMAGES —

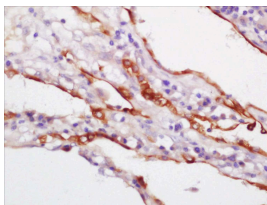
Sample: HeLa KO CK18 (Human) Cell Lysate at 30 ug
Hela(Human) Cell Lysate at 30 ug
Primary: Anti-CK18 (bs-2043R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD
Observed band size: 48 kD



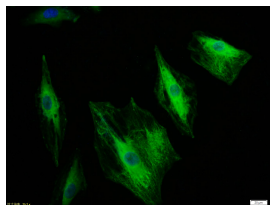
Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug
Lane 2: HepG2 (Human) Cell Lysate at 30 ug
Lane 3: A549 (Human) Cell Lysate at 30 ug
Lane 4: MCF-7 (Human) Cell Lysate at 30 ug
Primary: Anti-CK18 (bs-2043R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band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



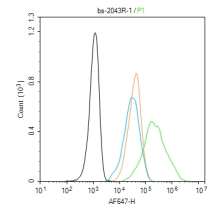
Blank control (blue line): HepG2 (blue). Primary Antibody (green line): Rabbit Anti-CK18 antibody (bs-2043R) Dilution: 0.2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed 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 Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CK18 Polyclonal Antibody, Unconjugated (bs-2043R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



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.



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-AF647 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.

— SELECTED CITATIONS —

- **[IF=10.2]** Fei Sun. et al. In Situ Vascularization and Epithelialization of Segmental Bioengineered Trachea Based on Marrow-Derived Stem/Progenitor Cells. *MATER TODAY BIO.* 2025 Jun;;101990 IF ;Rabbit. 40605986
- **[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=6.543]** 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
- **[IF=6.513]** Jinglei Wang. et al. Follicular fluid exosomes regulate OVGp1 secretion in yak oviduct epithelial cells via autophagy in vitro. *J CELL PHYSIOL.* 2023 Apr;; IF ;Bovine. 37013674
- **[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