

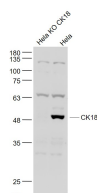
bs-1339R**[Primary Antibody]****KRT18 | CK-18 Rabbit pAb****Bioss**
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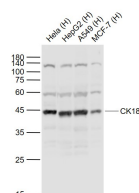
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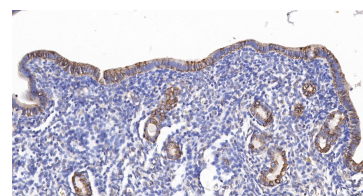
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3875**SWISS:** P05783**Target:** KRT18 | CK-18**Immunogen:** KLH conjugated synthetic peptide derived from human CK18: 301-423/430.**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.:** 48 kDa**Subcellular Location:** Cytoplasm ,Nucleus**VALIDATION IMAGES**

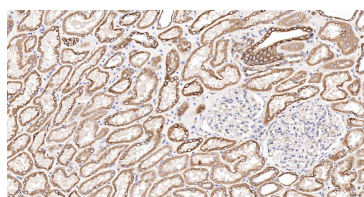
Sample: HeLa KO CK18 (Human) Cell Lysate at 30 ug
 HeLa(Human) Cell Lysate at 30 ug
 Primary: Anti-CK18 (bs-1339R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 48 kD
 Observed band size: 48 kD



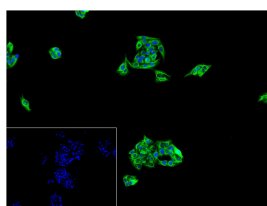
Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug
 Lane 2: HepG2 (Human) Cell Lysate at 30 ug
 Lane 3: A549 (Human) Cell Lysate at 30 ug
 Lane 4: MCF-7 (Human) Cell Lysate at 30 ug
 Primary: Anti-CK18 (bs-1339R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 48 kD
 Observed band size: 48 kD



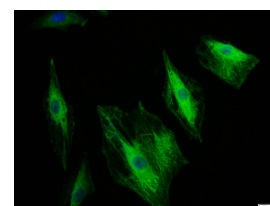
Paraformaldehyde-fixed, paraffin embedded Mouse Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-1339R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-1339R) at 1:200 overnight at 4°C, followed by conjugation to the



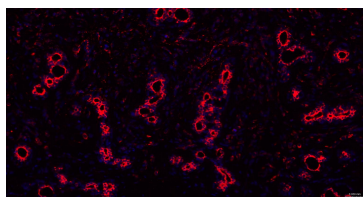
4% Paraformaldehyde-fixed HepG2 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (CK18) polyclonal Antibody, unconjugated (bs-1339R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C



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-1339R) 1:100, 90 minutes at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C.

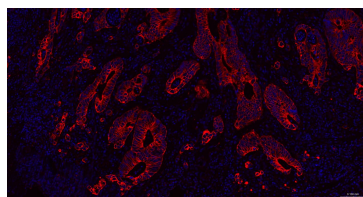
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

bs-0295G-HRP and DAB (C-0010) staining.



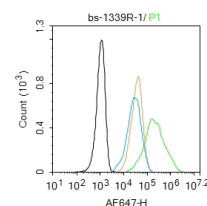
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-1339R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

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.

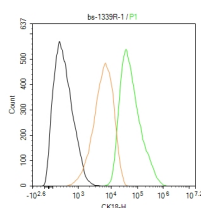


Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CK18 Polyclonal Antibody, Unconjugated (bs-1339R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

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-1339R) 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-1339R, 1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=10]** Liu-Gen Li. et al. A Dihydroartemisinin-Loaded Nanoreactor Motivates Anti-Cancer Immunotherapy by Synergy-Induced Ferroptosis to Activate Cgas/STING for Reprogramming of Macrophage. ADV HEALTHC MATER. 2023 Aug;;2301561 WB ;Mouse. 37567571
- **[IF=7.7]** Zhifu Cui. et al. Gga-miR-34b-3p targets calbindin 1 to regulate cellular calcium ion homeostasis during eggshell calcification in chicken uterus. INT J BIOL MACROMOL. 2025 Jan;;286:138520 IF ;Chicken. 39647741
- **[IF=6.6]** Wenwen Wang. et al. Ferulic Acid Protects Against LPS-Induced Sheep Hepatocytes Oxidative Damage via Activating the GSH-GPX4 Pathway and Inhibiting Lipid Metabolism-Mediated Ferroptosis. ANTIOXIDANTS-BASEL. 2025 Oct;14(10):1185 IF,WB ;Sheep. 10.3390/antiox14101185
- **[IF=6.208]** Ting Lin. et al. CTH/H2S Regulates LPS-Induced Inflammation through IL-8 Signaling in MAC-T Cells. INT J MOL SCI. 2022 Jan;23(19):11822 IF ;Mouse. 36233122
- **[IF=5.8]** Huang Jing. et al. Effects of exposure to PM2.5 during pregnancy on the multigenerational reproductive

outcomes of male mouse offspring and the role of Sertoli cells. ENVIRON SCI POLLUT R. 2023 Sep;:1-13 WB ;Mouse.
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