bs-1610R

[Primary Antibody]

CK7 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3855 **SWISS:** P08729

Target: CK7

Immunogen: KLH conjugated synthetic peptide derived from the middle of human CK7: 251-350/469.

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: The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

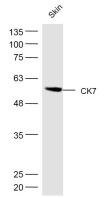
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2µg/Test)

Reactivity: Human, Mouse, Rat

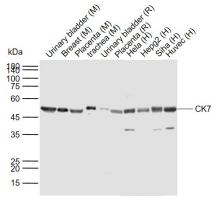
Predicted MW.: 54 kDa

Subcellular Location: Cytoplasm

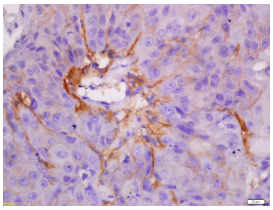
VALIDATION IMAGES



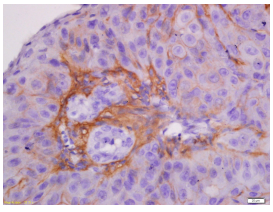
Sample: Skin (Mouse) Lysate at 40 ug Primary: Anti-CK7 (bs-1610R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD



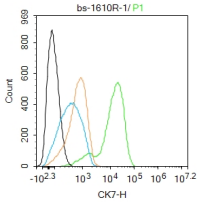
Sample: Lane 1: Mouse Urinary bladder tissue lysates Lane 2: Mouse Breast tissue lysates Lane 3: Mouse Placenta tissue lysates Lane 4: Mouse trachea tissue lysates Lane 5: Rat Urinary bladder tissue lysates Lane 6: Rat Placenta tissue lysates Lane 7: Human Hela cell lysates Lane 8: Human Hepg2 cell lysates Lane 9: Human Siha cell lysates Lane 10: Human Huvec cell lysates Primary: Anti- CK7 (bs-1610R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kDa Observed band size: 54 kDa



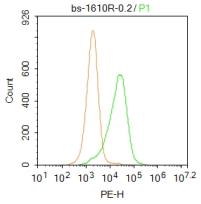
Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CK7 Polyclonal Antibody, Unconjugated(bs-1610R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-



Blank control:Hela. Primary Antibody (green line): Rabbit Anti-CK7 antibody (bs-1610R)



Blank control:A549. Primary Antibody (green line): Rabbit Anti-CK7 antibody (bs-1610R)

embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CK7 Polyclonal Antibody, Unconjugated(bs-1610R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol 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.

Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution:0.2μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at 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=4.8]** Sun Liyuan. et al. Exosomal miR-21-5p derived from endometrial stromal cells promotes angiogenesis by targeting TIMP3 in ovarian endometrial cysts. J MOL MED. 2024 Sep;:1-16 IF ;Human. 39227403
- **[IF=4.26]** Hu et al. Phosphoinositide 3-Kinase (PI3K) Subunit p110δ Is Essential for Trophoblast Cell Differentiation and Placental Development in Mouse. (2016) Sci.Re. 6:28201 IHC ;Mouse. 27306493
- **[IF=3.32]** Hu, Bin, et al. "IFN‐γ Inhibits Osteopontin Expression in Human Decidual Stromal Cells and can be Attenuated by 1α, 25‐Dihydroxyvitamin D3." American Journal of Reproductive Immunology 68.4 (2012): 353-361. ICC ;="Human". 22784028
- **[IF=3.208]** Matsubara et al. Immune activation during the implantation phase causes preeclampsia-like symptoms via the CD40-CD40 ligand pathway in pregnant mice. (2016) Hypertens.Re. 39:407-14 IHC ;Mouse. 26763855
- **[IF=2.7]** Zhou Bosen. et al. Transformation zone at the vallate papillae: a significant source of papillomavirus infection at the base of the tongue?. J CANCER RES CLIN. 2024 Nov;150(11):1-11 IHC ;Human. 39527322