

**bs-0593R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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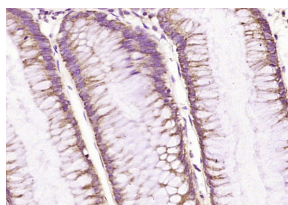
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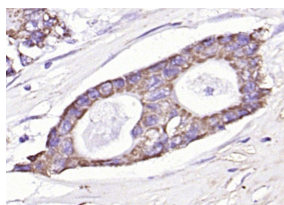
400-901-9800

**EpCAM Rabbit pAb****— DATASHEET —**

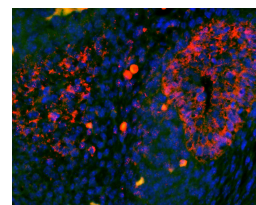
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Dog)  <b>Predicted  MW.:</b> 35 kDa  <b>Subcellular  Location:</b> Cell membrane
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 4072	<b>SWISS:</b> P16422	
<b>Target:</b> EpCAM		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human EpCAM: 53-150/314. < Extracellular >		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EpCAM) Polyclonal Antibody, Unconjugated (bs-0593R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EpCAM) Polyclonal Antibody, Unconjugated (bs-0593R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-EpCAM Polyclonal Antibody, Unconjugated(bs-0593R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3) used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml, blue, C-0033) was used to stain the cell nuclei

**— SELECTED CITATIONS —**

- **[IF=17.694]** Zhao Weizhu. et al. Single-cell analysis of gastric signet ring cell carcinoma reveals cytological and immune microenvironment features. NAT COMMUN. 2023 May;14(1):1-15 IHC ;Human. 37225691
- **[IF=9.518]** Fan Y et al. High-sensitive and multiplex biosensing assay of NSCLC-derived exosomes via different recognition sites based on SPRI array. Biosens Bioelectron. 2020 Apr 15;154:112066. WB, Other ;Human. 32056961
- **[IF=4.35]** Xiuxiu Wang. et al. Evaluation of the Effects of Different Dietary Patterns on Breast Cancer: Monitoring Circulating Tumor Cells. Foods. 2021 Sep;10(9):2223 IF ;mouse. 34574333

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

- **[IF=3.532]** Zengwei Chen. et al. Quantitative analysis of multiple breast cancer biomarkers using DNA-PAINT. ANAL METHODS-UK. 2022 Aug;; IF ;Human. 36063064
- **[IF=4.3]** Angelo Massaro. et al. Fibroblasts modulate epithelial cell behavior within the proliferative niche and differentiated cell zone within a human colonic crypt model. FRONT BIOENG BIOTECH. 2024 Dec;12: IF ;Human. 39737053