

**bs-12920R****[ Primary Antibody ]****phospho-Cytokeratin 8 (Ser431) Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

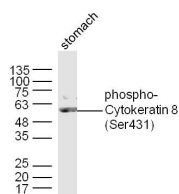
sales@bioss.com.cn

techsupport@bioss.com.cn

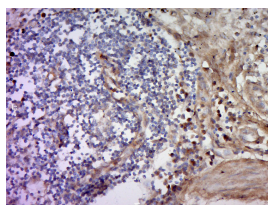
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3856**SWISS:** P05787**Target:** Cytokeratin 8 (Ser431)**Immunogen:** KLH conjugated synthesised phosphopeptide derived from human CK8 around the phosphorylation site of Ser431: LT(p-S)PG.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

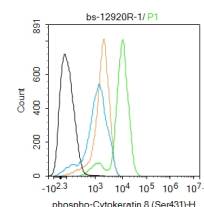
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012].**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse  
(predicted: Rat, Horse)**Predicted  
MW.:** 53 kDa**Subcellular  
Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: Stomach (Mouse) Lysate at 40 ug  
 Primary: Anti-phospho-Cytokeratin 8 (Ser431)  
 (bs-12920R) at 1/300 dilution Secondary:  
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
 dilution Predicted band size: 53 kD Observed  
 band size: 53 kD



Paraformaldehyde-fixed, paraffin embedded  
 (Human colon cancer); 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 (p-Cytokeratin 8  
 (Ser431)) Polyclonal Antibody, Unconjugated  
 (bs-12920R) at 1:500 overnight at 4°C, followed  
 by a conjugated secondary (sp-0023) for 20  
 minutes and DAB staining.



Blank control:MCF-7. Primary Antibody (green  
 line): Rabbit Anti-phospho-Cytokeratin 8  
 (Ser431) antibody (bs-12920R) 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.