

**bsm-52199R****[ Primary Antibody ]****BioSS**  
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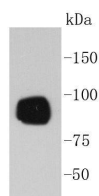
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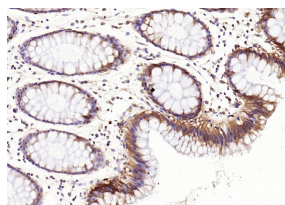
400-901-9800

**Phospho-RPS6KA1 (Ser380) Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 7A12**GeneID:** 6195**Target:** Phospho-RPS6KA1 (Ser380)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human RPS6KA1 around the phosphorylation site of Ser380: GF(p-S)FV.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

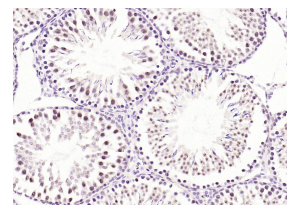
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Rsk1 is a member of a family of 90kDa ribosomal protein S6 kinases, which includes Rsk1, Rsk2 and Rsk3. These are broadly expressed serine/threonine protein kinases activated in response to mitogenic stimuli, including extracellular signal regulated protein kinases Erk1 and Erk2. Rsk1 is activated by MAPK in vitro and in vivo via phosphorylation. Active Rsks appear to play a major role in transcriptional regulation by translocating to the nucleus and phosphorylating c Fos and CREB.**Applications:** **WB** (1:1000-5000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ICC/IF** (1:50)**Reactivity:** Human, Rat  
(predicted: Mouse)**Predicted MW.:** 81 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

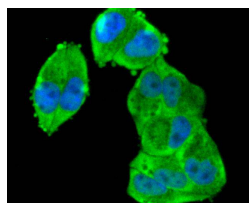
Sample: Lane 1: A431 cell lysates Primary: Anti-Phospho-RPS6KA1 (Ser380) (bsm-52199R) at 1/1000 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 81 kD Observed band size: 81 kD



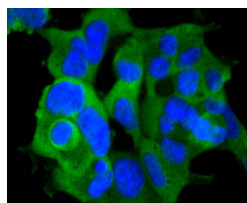
Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-RPS6KA1 (Ser380)) Monoclonal Antibody, Unconjugated (bsm-52199R) 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 (rat testis); 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 (Phospho-RPS6KA1 (Ser380)) Monoclonal Antibody, Unconjugated (bsm-52199R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela 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 (Phospho-RSK1(S380)) monoclonal Antibody, Unconjugated (bsm-52199R) 1:50, 90 minutes at



293T 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 (Phospho-RSK1(S380)) monoclonal Antibody, Unconjugated (bsm-52199R) 1:50, 90 minutes at

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

37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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