

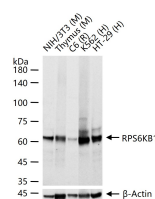
bsm-62971R**[Primary Antibody]****RPS6KB1 Recombinant Rabbit mAb****Bioss**
ANTIBODIES

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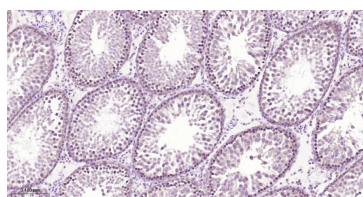
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techsupport@bioss.com.cn

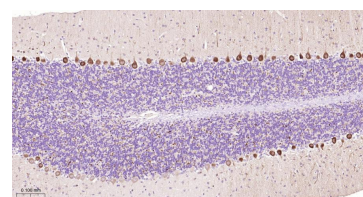
400-901-9800

— DATASHEET —**Host:** Rabbit**Clonality:** Recombinant**GeneID:** 6198**Target:** RPS6KB1**Isotype:** IgG**CloneNo.:** 12G5**SWISS:** P23443**Immunogen:** A synthesized peptide derived from human p70 S6 Kinase: 24-50.**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Acts to integrate nutrient and growth factor signals in regulation of protein synthesis, cell proliferation, cell growth, cell cycle progression and cell survival. Downstream effector of the mTOR signaling pathway.**Applications:** **WB** (1:500-2000)**IHC-P** (1:50-200)**IHC-F** (1:50-200)**IF** (1:50-200)**ICC/IF** (1:50-200)**IP** (1:20-50)**Reactivity:** Human, Mouse, Rat**Predicted
MW.:** 59 kDa**Observed
MW.:** 62 kDa**Subcellular
Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

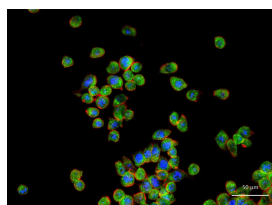
25 ug total protein per lane of various lysates (see on figure) probed with RPS6KB1 monoclonal antibody, unconjugated (bsm-62971R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



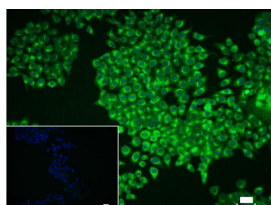
Paraformaldehyde-fixed, paraffin embedded Rat Testis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with RPS6KB1 Monoclonal Antibody, Unconjugated (bsm-62971R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with RPS6KB1 Monoclonal Antibody, Unconjugated (bsm-62971R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HT-29 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (RPS6KB1) monoclonal Antibody, unconjugated (bsm-62971R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.



4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (RPS6KB1) monoclonal Antibody, unconjugated (bsm-62971R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-FITC) at 37°C 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.

— SELECTED CITATIONS —

- **[IF=14.1]** Suhui Kuang. et al. NEAT1 Promotes Epileptogenesis in Tuberous Sclerosis Complex. ADV SCI. 2025 Oct;;e04316 WB ;Mouse. 41090516