

bs-6370R**[Primary Antibody]****RPS6KB1 Rabbit pAb****Bioss**
ANTIBODIES

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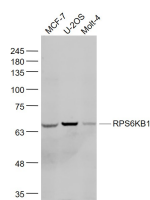
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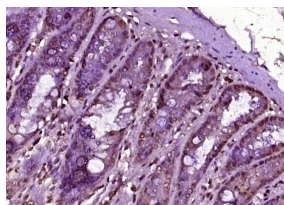
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6198	SWISS: P23443	IHC-F (1:100-500)
Target: RPS6KB1		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human RPS6KB1: 251-350/525.		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Chicken, Dog, Horse, Goat)
Purification: affinity purified by Protein A		Predicted MW.: 70 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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 encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013]		

— VALIDATION IMAGES —

Sample: MCF-7(Human) Cell Lysate at 30 ug
 U-2OS(Human) Cell Lysate at 30 ug
 MOLT-4(Human) Cell Lysate at 30 ug
 Primary: Anti- RPS6KB1 (bs-6370R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 70 kD
 Observed band size: 68 kD



Paraformaldehyde-fixed, paraffin embedded (rat colon tissue); 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 (RPS6KB1) Polyclonal Antibody, Unconjugated (bs-6370R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.117]** Gang Lin. et al. ARID1B blocks methionine-stimulated mTOR activation to inhibit milk fat and protein synthesis in and proliferation of mouse mammary epithelial cells. J NUTR BIOCHEM. 2023 Jan;;109274 WB ;Mouse. 36681308
- **[IF=3.738]** Mao, Yushan. et al. Moxidectin induces autophagy arrest in colorectal cancer. MED ONCOL. 2022 Dec;39(12):1-11 WB ;Human. 36175702
- **[IF=3.738]** Zong, Jinxin. et al. Lithium Chloride Promotes Milk Protein and Fat Synthesis in Bovine Mammary Epithelial

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

- Cells via HIF-1 α and β -Catenin Signaling Pathways. Biol Trace Elem Res. 2022 Jan;;1-16 WB ;Bovine. 35080710
- **[IF=3.565]** Liu J. et al. Moxidectin induces Cytostatic Autophagic Cell Death of Glioma Cells through inhibiting the AKT/mTOR Signalling Pathway.. J Cancer. 2020 Aug;11(19):5802-5811 WB ;Human, Rat. 32913473
 - **[IF=3.895]** Yin H et al. T-2 Toxin Induces Oxidative Stress, Apoptosis and Cytoprotective Autophagy in Chicken Hepatocytes. Toxins (Basel). 2020 Jan 29;12(2). WB ;Chicken. 32013230