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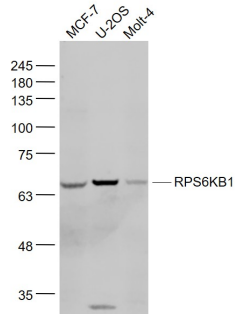
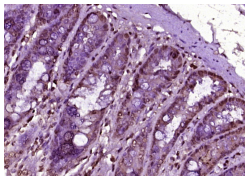
RPS6KB1 Rabbit pAb

Catalog Number:	bs-6370R
Target Protein:	RPS6KB1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Rat (predicted:Mouse, Rabbit, Pig, Cow, Chicken, Dog, Horse, Goat)
Predicted MW:	70 kDa
Entrez Gene:	6198
Swiss Prot:	P23443
Source:	KLH conjugated synthetic peptide derived from human RPS6KB1: 251-350/525.
Purification:	affinity purified by Protein A
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) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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 Cells via HIF-1α and β-Catenin Signaling Pathways. Biol Trace Elem Res. 2022 Jan;:1-16 WB ; Bovine . 35080710

[IF=4.3] Kazim Sahin. et al. The Role of Curcumin in Preventing Naturally Occurring Leiomyoma in the Galline Model. PHARMACEUTICALS-BASE. 2024 Dec;17(12):1732 WB ; Chicken . 39770574

[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