

Datasheet for ABIN712991

anti-RPS6KB1 antibody (pThr412)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	RPS6KB1
Binding Specificity:	pThr412
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6KB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human RPS6KB1 around the phosphorylation site of Thr412
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	RPS6KB1
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Target Details

Alternative Name:	Rps6kb1 (RPS6KB1 Products)
Background:	Synonyms: RPS6KB1 phospho S412, RPS6KB1 phospho Ser412, p-RPS6KB1 Ser412, RPS6KB1, PS6K, S6K, S6K1, STK14A, p70S6K-alpha, p70-S6K, p70-alpha, ribosomal protein S6 kinase, 70 kDa, p70 S6 Kinase, P70 Beta1, KS6B1_HUMAN, Ribosomal protein S6 kinase beta-1, S6K-beta-1, 70 kDa ribosomal protein S6 kinase 1, P70S6K1, p70-S6K 1, Ribosomal protein S6 kinase I, Serine/threonine-protein kinase 14A, p70 ribosomal S6 kinase alpha, p70 S6 kinase alpha, p70 S6K-alpha, p70 S6KA. 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].
Gene ID:	6198
Pathways:	PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Cell Size , Skeletal Muscle Fiber Development , Feeding Behaviour , G-protein mediated Events , Smooth Muscle Cell Migration , Interaction of EGFR with phospholipase C-gamma , Warburg Effect

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

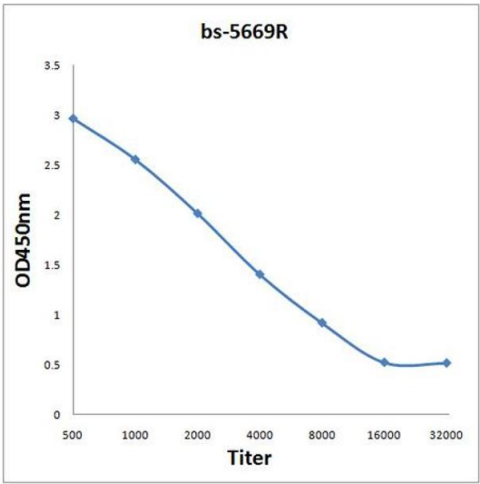
Handling

Format:	Liquid
Concentration:	1 µg/µL

Handling

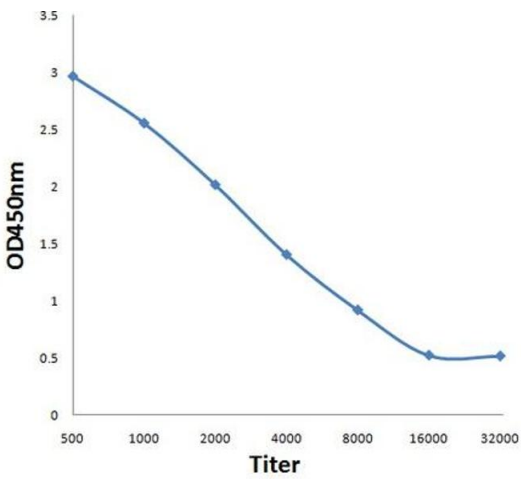
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



ELISA

Image 1. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in Microplate Reader by 450nm



ELISA

Image 2. Antigen: 0.2ug/100ul, Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000, TMB staining Read the data in Microplate Reader by 450nm,

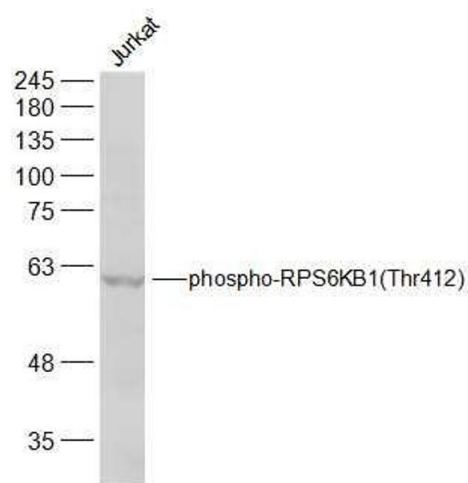


Image 3. Jurkat lysates probed with RPS6KB1(Thr412) Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.