
Product Name: KD-Validated Ribosomal Protein S6 Kinase B2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00723**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 53.5kDa

Antigen Information

Gene Name	RPS6KB2 RPS6KB2; Ribosomal Protein S6 Kinase B2; STK14B; P70-BETA; P70S6Kb; S6Kbeta; S6KB; KLS; 70 KDa Ribosomal Protein S6 Kinase 2; Serine/Threonine-Protein Kinase 14B; Ribosomal Protein S6 Kinase Beta-2; P70 Ribosomal S6 Kinase Beta; S6 Kinase-Related Kinase; P70 S6
Alternative Names	Kinase Beta; P70 S6K-Beta; EC 2.7.11.1; S6K-Beta-2; P70-S6K 2; S6K-Beta; P70 S6KB; P70S6K2; S6K2; SRK; Ribosomal Protein S6 Kinase, 70kDa, Polypeptide 2; Ribosomal Protein S6 Kinase, 70kD, Polypeptide 2; Serine/Threonine-Protein Kinase 14 Beta; P70(S6K)-Beta; P70-Beta-1; P70-Beta-2; S6K-Beta2; EC 2.7.11; P70-Beta; S6KI(2); S6Kβ
Gene ID	6199.0
SwissProt ID	Q9UBS0

Immunogen

Recombinant protein of human P70 S6 Kinase beta

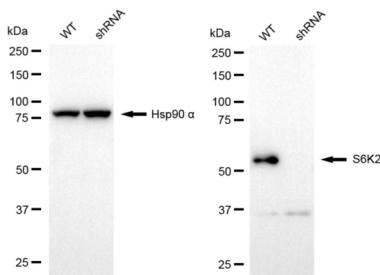
Background

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains a kinase catalytic domain and phosphorylates the S6 ribosomal protein and eukaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation. [provided by RefSeq, Jan 2015]

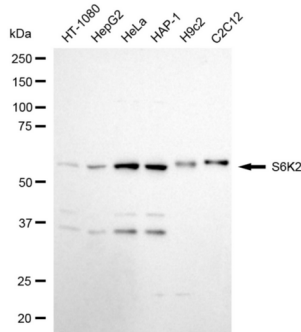
Research Area

Signal Transduction, Metabolism

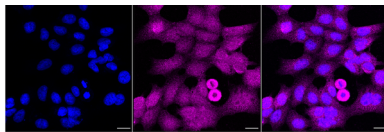
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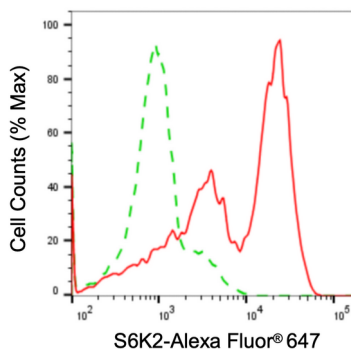
Western blotting analysis using S6K2 antibody (KVA00723). S6K2 expression in wild type (WT) and S6K2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with S6K2 antibody (KVA00723, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using S6K2 antibody (KVA00723). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with S6K2 antibody (KVA00723, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with S6K2 antibody (KVA00723, 1:1,000). Nuclei were stained blue with DAPI; S6K2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of S6K2 expression in HAP-1 cells using S6K2 antibody (KVA00723, 1:2,000). Green, isotype control; red, S6K2.

