
Product Name: KO-Validated Phospho-MSK1 (S376) Recombinant Rabbit Monoclonal Antibody**Catalog #: KVAAb00119**

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: 89.9kDa

Antigen Information

Gene Name	RPS6KA5 RPS6KA5; Ribosomal Protein S6 Kinase A5; MSK1; RLPK; Nuclear Mitogen- And Stress-Activated Protein Kinase 1; 90 KDa Ribosomal Protein S6 Kinase 5; Ribosomal Protein S6
Alternative Names	Kinase Alpha-5; RSK-Like Protein Kinase; S6K-Alpha-5; EC 2.7.11.1; RSKL; Ribosomal Protein S6 Kinase, 90kDa, Polypeptide 5; Ribosomal Protein S6 Kinase, 90kD, Polypeptide 5; EC 2.7.11; MSPK1
Gene ID	9252.0
SwissProt ID	O75582
Immunogen	A synthesized peptide derived from human Phospho-MSK1 (S376)

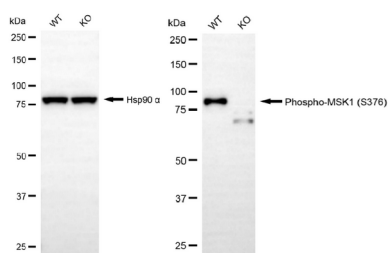
Background

Enables ATP binding activity and protein kinase activity. Involved in several processes, including interleukin-1-mediated signaling pathway; protein modification process; and regulation of DNA-templated transcription. Located in cytoplasm and nucleoplasm. [provided by Alliance of Genome Resources, Apr 2025]

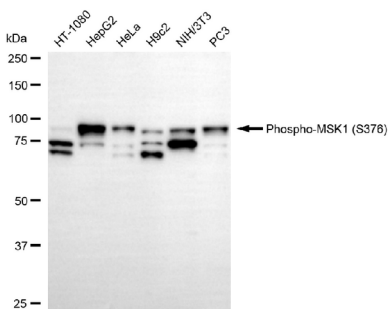
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cell Biology, Metabolism

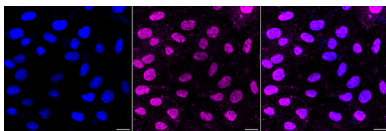
Image Data



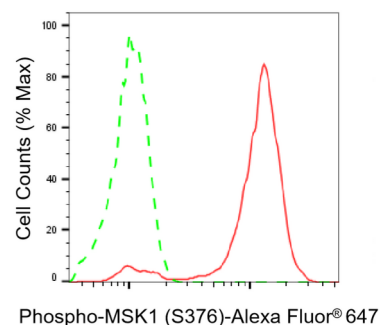
Western blotting analysis using phospho-MSK1 (S376) antibody (KVA00119). Phospho-MSK1 (S376) expression in wild-type (WT) and RPS6KA5 knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-MSK1 (S376) antibody (KVA00119, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using phospho-MSK1 (S376) antibody (KVA00119). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-MSK1 (S376) antibody (KVA00119, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with Phospho-MSK1 (S376) antibody (KVA00119, 1:1,000). Nuclei were stained blue with DAPI; Phospho-MSK1 (S376) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of Phospho-MSK1 (S376) expression in H9c2 cells using Phospho-MSK1 (S376) antibody (KVA00119, 1:2,000). Green, isotype control; red, Phospho-MSK1 (S376).