BOSTER BIOLOGICAL TECHNOLOGY
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Anti-RSK1 p90/RPS6KA1 Antibody Picoband®

Catalog Number: PA2052

About RPS6KA1

RPS6KA1 (Ribosomal Protein S6 Kinase, 90-KD, 1), also called RSK1, is an enzyme that in humans is encoded by the RPS6KA1 gene. The RSK (ribosomal S6 kinase) family comprises growth factor-regulated serine/threonine kinases, known also as p90 (rsk). Homologs of RSK exist in several species. By analysis of somatic cell hybrids, Moller et al. (1994) mapped the RPS6KA1 gene to chromosome 3.Bonni et al. (1999) characterized the mechanism by which the RAS-MAPK signaling pathway mediates growth factor-dependent cell survival. Inoue et al. (2007) demonstrated that p90rsk, the kinase immediately downstream from Mos-MAPK, directly targets Erp1 for CSF arrest in Xenopus oocytes.

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Overview

Product Name	Anti-RSK1 p90/RPS6KA1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RSK1 p90/RPS6KA1 Antibody catalog # PA2052. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q15418

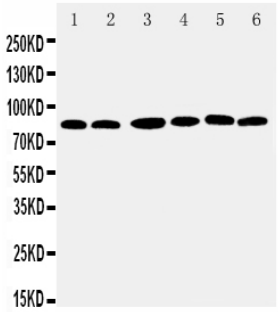
Technical Details

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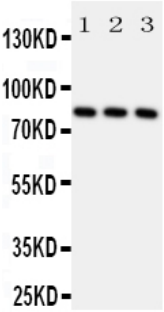
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RSK1 p90, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-RSK1 p90/RPS6KA1 Antibody Picoband® (PA2052) Images



Anti-RSK1 p90 antibody, PA2052, Western blottingLane 1: MCF-7 Cell LysateLane 2: HELA Cell LysateLane 3: K562 Cell LysateLane 4: JURKAT Cell LysateLane 5: SW620 Cell LysateLane 6: RAJI Cell Lysate



Anti-RSK1 p90 antibody, PA2052, All Western blottingAll lanes: Anti-RPS6KA1 (PA2052) at 0.5ug/ml Lane 1: A431 Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: HELA Whole Cell Lysate at 40ug Predicted bind size: 83KD Observed bind size: 83KD

Anti-RSK1 p90/RPS6KA1 Antibody

For Research Use Only. Not for use in diagnostic procedures.