

Anti-Phospho-p90RSK (Thr359, Ser363) Antibody (5P55)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 5P55 |
| Purification: | Protein A |

Applications

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| Verified Activity: | <p>1. Western blot analysis of extracts from serum-starved A431, untreated(line A) or treated with EGF (200ng/mL, 15min; +)(line B), using Phospho-p90RSK (Thr359, Ser363) rabbit monoclonal Antibody at 1:10000 dilution (upper) or Anti-Actin Antibody, Chimeric Rabbit Monoclonal at 1:50000 dilution (lower).</p> <p>2. Western blot analysis of extracts from serum-starved A431, untreated (line A); treated with EGF (200ng/mL, 15min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-p90RSK (Thr359, Ser363) rabbit monoclonal Antibody at 1:10000 dilution. (Validation Experiment)</p> |
| Application: | WB |
| Recommended | WB: 1:10000-1:100000 |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthetic peptide: residues around (Thr359, Ser363) of Human p90RSK |
| Antigen Species: | Human |
| Synonyms: | MAPKAPK1;RSK;p-p90RSK (Thr359, Ser363);Phospho-p90RSK (T359, S363);p-p90RSK (T359, S363);MAPKAPK1A;p90 Rsk;p90RSK (pT359, S363);HU-1;RSK1;p90Rsk;p90RSK (pThr359, |

Research Background

RPS6KA1 (Ribosomal Protein S6 Kinase A1) is a Protein Coding gene. The RPS6KA1 gene, located on 1p36.11, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, C.elegans, and frog. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signaling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. RPS6KA1 is widely expressed in the small intestine, duodenum, and other tissues. Diseases associated with RPS6KA1 include Coffin-Lowry Syndrome and Tuberous Sclerosis. Among its related pathways are GDNF-Family Ligands and Receptor Interactions and NGF Pathway.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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