

Anti-MSK1/RPS6KA5 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9268-Fluoro594

About RPS6KA5

Ribosomal protein S6 kinase alpha-5, also known as MSK1, is an enzyme that in humans is encoded by the RPS6KA5 gene. It belongs to the AGC family of kinases. MSK1 gene is mapped to chromosome 14q31-q32. Northern blot analysis indicated that MSK1 was expressed as a 4-kb mRNA in all tissues tested, with the highest levels of expression in brain, muscle, and placenta. MSK1 was activated in vitro and in vivo by either ERK or SAPK2 proteins. It has been found that MSK1, rather than MAPKAP-K1 or MAPKAP-K2/K3, mediates activation of the cAMP response element-binding protein and activating transcription factor-1 by either growth factors or stress signals.

Overview

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| Product Name | Anti-MSK1/RPS6KA5 Antibody Picoband® Fluoro594 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | O75582 |

Technical Details

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| Immunogen | E.coli-derived human MSK1 recombinant protein (Position: V540-Q665). Human MSK1 shares 98% amino acid (aa) sequence identity with mouse MSK1. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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