

## Anti-MSK1/RPS6KA5 Antibody Picoband® PE Conjugated

Catalog Number: PB9268-PE

### 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

Product Name	Anti-MSK1/RPS6KA5 Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
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

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	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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