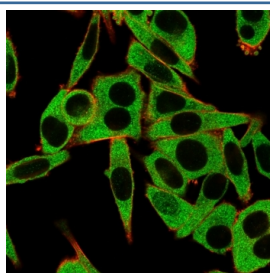


## RPS6KA5 Antibody / MSK1 [clone PCRP-RPS6KA5-1A8] (V9257)

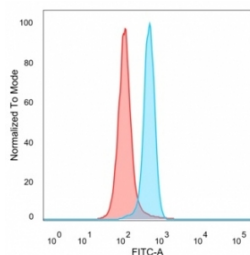
Catalog No.	Formulation	Size
V9257-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9257-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9257SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b
<b>Clone Name</b>	PCRP-RPS6KA5-1A8
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	O75582
<b>Localization</b>	Nucleus, Cytoplasm
<b>Applications</b>	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml
<b>Limitations</b>	This RPS6KA5 antibody is available for research use only.

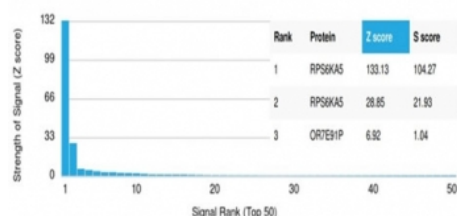


Immunofluorescent staining of human HeLa cells using RPS6KA5 antibody (green, clone PCRP-RPS6KA5-1A8) and phalloidin (red).

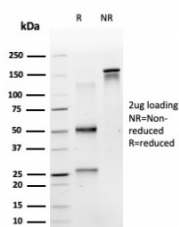


FACS staining of PFA-fixed human HeLa cells with RPS6KA5 antibody (blue, clone PCRP-RPS6KA5-1A8) and isotype control (red).

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using RPS6KA5 antibody (clone PCRP-RPS6KA5-1A8). These results demonstrate the foremost specificity of the PCRP-RPS6KA5-1A8 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free RPS6KA5 antibody (clone PCRP-RPS6KA5-1A8) as confirmation of integrity and purity.

## Description

The family of ribosomal S6 kinases (Rsk), designated Rsk-1, Rsk-2 and Rsk-3, have been implicated as important signaling intermediates in response to a broad range of ligand-activated receptor tyrosine kinases. A unique feature common to the three members of the Rsk family is that each possesses two non-identical complete kinase catalytic domains. A related S6 kinase, p70 S6 kinase, functions to phosphorylate the S6 protein on ribosomal 40S subunits. p70 S6 kinase b shares high sequence homology with p70 S6 kinase, except in the carboxy terminus where it contains a proline-rich domain that may be involved in SH3 domain containing protein interactions. MSK1 (also designated RLPK) is related to Rsk and p70 S6 kinase family members and is thought to be structurally similar to Rsk family members, but it may be regulated by distinct mechanisms.

## Application Notes

Optimal dilution of the RPS6KA5 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human RPS6KA5 protein was used as the immunogen for the RPS6KA5 antibody.

## Storage

Aliquot the RPS6KA5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

