RPS6KA5 / MSK1 Antibody

Mouse Monoclonal Antibody [Clone PCRP-RPS6KA5-1A8]

Catalog No	Format	Size
9252-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9252-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9252-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

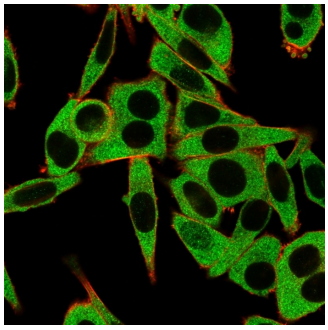
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

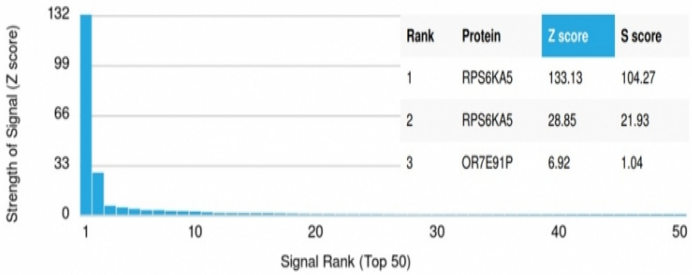
Clone	PCRP-RPS6KA5-1A8
Gene Name	RPS6KA5
Immunogen	Recombinant full-length human RPS6KA5 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	~90kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	HeLa or JAR cells. Ubiquitous nuclear expression. Human prostate, tonsil or brain.

**Optimal dilution for a specific application should be determined.*

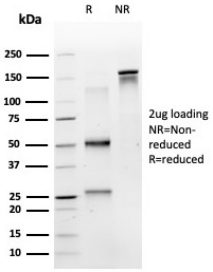
Product Images for RPS6KA5 / MSK1 Antibody



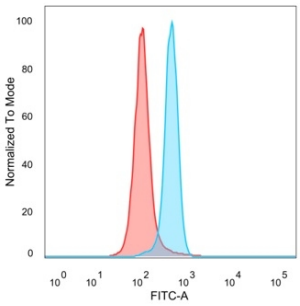
Immunofluorescence Analysis of HeLa cells using RPS6KA5 / MSK1 Mouse Monoclonal Antibody (PCRP-RPS6KA5-1A8) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing RPS6KA5 / MSK1 Mouse Monoclonal Antibody (PCRP-RPS6KA5-1A8). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis. Purified RPS6KA5 / MSK1 Mouse Monoclonal Antibody (PCRP-RPS6KA5-1A8). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. RPS6KA5 / MSK1 Mouse Monoclonal Antibody (PCRP-RPS6KA5-1A8) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

Specificity & Comments

The family of ribosomal S6 kinases (Rsks), 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Developmental Biology, Immunology, Bladder Cancer, Cytokine Signaling, MAPK Signaling, Nuclear Marker, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.