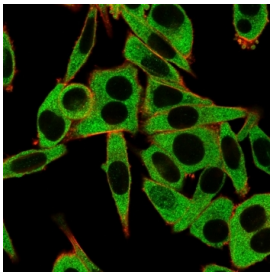
RPS6KA5 Antibody / MAPK Signaling Kinase Antibody [clone PCRP-RPS6KA5-1A8] (V9257)

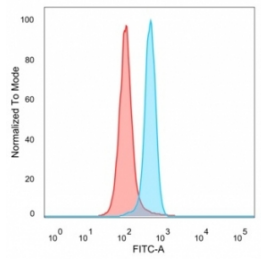
Catalog No.	Formulation	Size
V9257-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9257-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9257SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

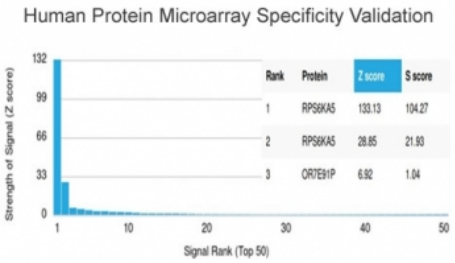
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-RPS6KA5-1A8
Purity	Protein A/G affinity
UniProt	O75582
Localization	Nucleus, Cytoplasm
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: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



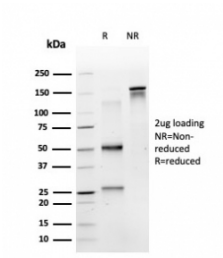
RPS6KA5 Antibody HeLa Cell IF. Immunofluorescence analysis of human HeLa cells using RPS6KA5 Antibody / MAPK Signaling Kinase Antibody (clone PCRP-RPS6KA5-1A8). RPS6KA5 expression is shown in green, with phalloidin counterstain shown in red to identify the actin cytoskeleton. Cytoplasmic and nuclear-associated staining is observed, consistent with the role of RPS6KA5/MSK1 in transmitting MAPK pathway signals that regulate transcriptional responses. These results support the use of RPS6KA5 Antibody / MAPK Signaling Kinase Antibody for studying kinase signaling, phosphorylation pathways and cellular regulation.



RPS6KA5 Antibody HeLa Cell FACS. Flow cytometry analysis of PFA-fixed human HeLa cells using RPS6KA5 Antibody / MAPK Signaling Kinase Antibody (clone PCRP-RPS6KA5-1A8). The blue histogram represents RPS6KA5 antibody staining, while the red histogram represents isotype control. Clear positive signal separation demonstrates detection of RPS6KA5 expression in human cells. These results support the use of RPS6KA5 Antibody / MAPK Signaling Kinase Antibody for analyzing MAPK signaling kinase expression, phosphorylation pathways and cellular signaling regulation by flow cytometry.



RPS6KA5 Antibody Protein Microarray Validation. Protein microarray analysis of RPS6KA5 Antibody / MAPK Signaling Kinase Antibody (clone PCRP-RPS6KA5-1A8) using a HuProt array containing more than 19,000 full-length human proteins. The antibody demonstrates specific recognition of RPS6KA5, with the target protein producing the strongest signal on the array. These results demonstrate the specificity of RPS6KA5 Antibody / MAPK Signaling Kinase Antibody, a Protein Microarray Validated antibody for studying MAPK signaling kinase pathways, phosphorylation regulation and cellular signaling mechanisms.



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

Description

RPS6KA5 Antibody / MAPK Signaling Kinase Antibody detects a serine/threonine kinase involved in mitogen-activated protein kinase pathway signaling and transcriptional regulation. RPS6KA5, also known as mitogen and stress activated protein kinase 1 (MSK1), is activated downstream of ERK and p38 MAPK signaling pathways. Following activation, RPS6KA5 translocates signaling information from extracellular stimuli to nuclear responses by phosphorylating proteins involved in gene expression, chromatin remodeling and cellular adaptation. Through these functions, RPS6KA5 acts as an important link between kinase signaling cascades and transcriptional control mechanisms.

RPS6KA5 regulates several nuclear targets involved in cellular responses to growth factors, stress signals and inflammatory stimuli. MSK1-mediated phosphorylation events influence transcription factors such as CREB and contribute to regulation of histone H3 phosphorylation, connecting MAPK pathway activity with changes in chromatin structure and gene expression. A RPS6KA5 Antibody / MAPK Signaling Kinase Antibody is useful for researchers studying intracellular signaling networks, phosphorylation pathways and molecular mechanisms that control cellular responses to environmental changes.

Research involving RPS6KA5 has highlighted its importance in diverse biological processes, including cell growth regulation, inflammatory signaling and neuronal function. Because MAPK pathways control many aspects of cell behavior, proteins such as RPS6KA5 are widely investigated in cancer biology, immunology and neuroscience research. Changes in kinase activity or downstream signaling regulation may influence transcriptional programs associated with proliferation, differentiation and stress response pathways.

RPS6KA5 Antibody / MAPK Signaling Kinase Antibody clone PCRP-RPS6KA5-1A8 is a mouse monoclonal antibody validated by protein microarray analysis. Protein Microarray Validated antibodies are tested against thousands of full-length human proteins to help demonstrate target recognition and specificity. This validation approach provides researchers with additional confidence when selecting antibodies for studies requiring reliable detection of signaling

molecules and regulatory proteins.

NSJ Bioreagents offers RPS6KA5 Antibody / MAPK Signaling Kinase Antibody products for researchers studying MAP kinase signaling, protein phosphorylation and transcriptional regulation pathways. These antibodies support applications including Western blot, immunohistochemistry and additional protein detection methods for analysis of RPS6KA5 expression and function. RPS6KA5 Antibody / MAPK Signaling Kinase Antibody provides a valuable tool for investigating MSK1 kinase activity, nuclear signaling mechanisms and cellular response pathways.

Explore additional kinase research tools in our Signal Transduction Antibodies page, including targets involved in MAPK pathways, phosphorylation cascades and cellular signaling regulation.

Application Notes

Optimal dilution of the RPS6KA5 Antibody / MAPK Signaling Kinase 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 -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

MSK1 antibody, Ribosomal Protein S6 Kinase Alpha 5 antibody, Mitogen and Stress Activated Protein Kinase 1 antibody, RSK Like Protein Kinase antibody, Nuclear Kinase MSK1 antibody, RPS6KA5 Protein antibody

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