

# Product datasheet for AP01343PU-N

## MSK1 (RPS6KA5) Rabbit Polyclonal Antibody

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of MSK1 protein. (region surrounding Lys370)
Formulation:	Phosphate buffered saline (PBS) with 0.05% Sodium Azide as preservative, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific Immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 90 kDa
Gene Name:	ribosomal protein S6 kinase A5
Database Link:	<u>Entrez Gene 9252 Human</u> <u>O75582</u>



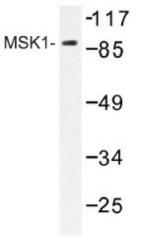
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Background:The family of ribosomal S6 kinases (Rsks), designated Rsk-1, Rsk-2 and Rsk-3, have been<br/>implicated as important signaling intermediates in response to a broad range of ligand-<br/>activated receptor tyrosine kinases. A unique feature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

Synonyms: Ribosomal protein S6 kinase alpha-5, RSKL

### **Product images:**



Western blot (WB) analysis of MSK1 antibody (Cat.-No.: AP01343PU-N) in extracts from HT-29 cells.

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