

# Ribosomal Protein S6 (phospho Ser240) Polyclonal Antibody

Catalog No: #13559

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Package Size: #13559-1 50ul #13559-2 100ul

## Description

|                       |  |
|-----------------------|--|
| Product Name          | Ribosomal Protein S6 (phospho Ser240) Polyclonal Antibody  |
| Host Species          | Rabbit   |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                      |
| Applications          | WB,IHC-p,IF/ICC,ELISA  |
| Species Reactivity    | Human,Mouse,Rat  |
| Specificity           | Phospho-Ribosomal Protein S6 (S240) Polyclonal Antibody detects endogenous levels of Ribosomal Protein S6 protein only when phosphorylated at S240.        |
| Immunogen Description | The antiserum was produced against synthesized peptide derived from human S6 Ribosomal Protein around the phosphorylation site of Ser240. AA range:200-249 |
| Other Names           | RPS6; OK/SW-cl.2; 40S ribosomal protein S6; Phosphoprotein NP33  |
| Accession No.         | Swiss Prot:P62753GenelD:6194   |
| Uniprot               | P62753   |
| GenelD                | 6194   |
| SDS-PAGE MW           | 28   |
| Concentration         | 1 mg/ml  |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Storage               | -20°C/1  |

## Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

## Background

ribosomal protein S6(RPS6) Homo sapiens Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed

Note: This product is for in vitro research use only