

Anti-RPS6 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

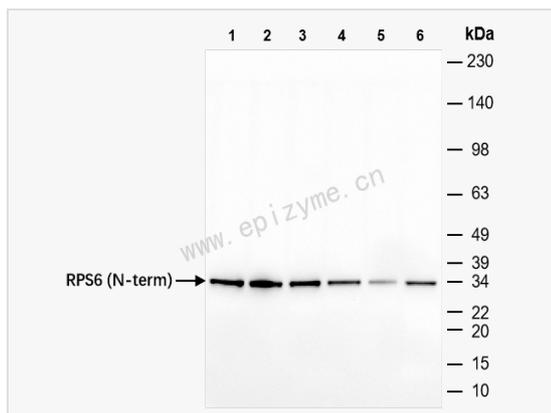
Catalog # M014381

Product Information

| | |
|-------------|---|
| Application | WB, IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse (Cell), Rat |
| Dilution | WB 1:1,000~1:2,000; IF 1:100~1:200 |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone No. | 24S77F57 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human SCIN |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-RPS6 Mouse mAb [24S77F57] is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| | |
|---------------|---|
| Synonyms | 40S ribosomal protein S6, Air8, NP33, Phosphoprotein NP33, Pp30, Ribosomal protein S6, RP S6, rps6, RS6, RS6_HUMAN, S6, S6 Ribosomal Protein. |
| Calculated MW | Calculated MW: 29 kDa; Observed MW: 34 kDa |
| Uniprot ID | P62753 |
| Gene ID | 6194 |
| Background | 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 pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008] |



Western Blot - Anti-RPS6 Mouse mAb [24S77F57]

All lanes: M014381 at 1:2,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: Rat kidney whole tissue lysates

Lane 6: Mouse heart whole tissue lysates

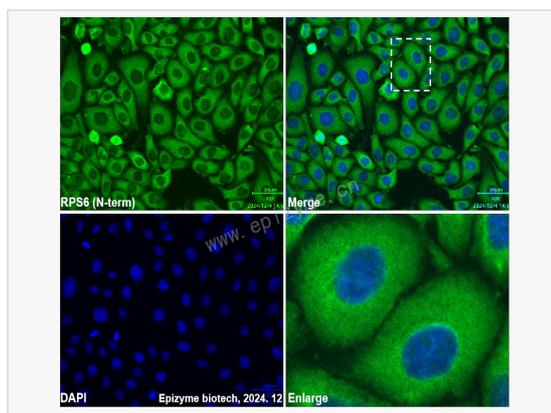
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 29 kDa

Observed band size: 34 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-RPS6 Mouse mAb [24S77F57]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: M014381 at 1:100 dilution

Secondary antibodies: Goat anti-Mouse (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).