Anti-RPS6 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M014381

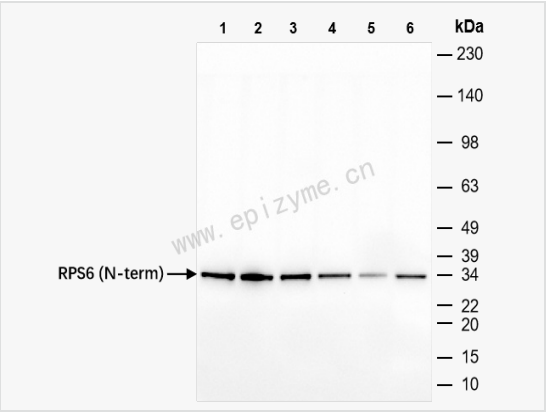
Product Information

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 RPS6
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.

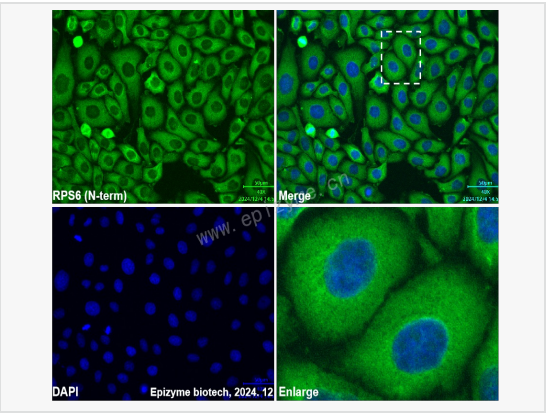
Protein Information

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]

Validation Images



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 µg 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).