

Anti-RPS6 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

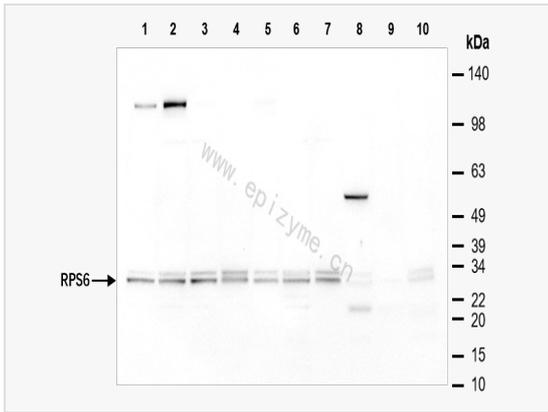
Catalog # M900011

Product Information

Application	IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA, WB
Reactivity	Rat, Human, Mouse (Cell)
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	19H63K06
Isotype	IgG
Label	Unconjugated
Immunogen	This RPS6 antibody is generated from mice immunized with a SHC (Shrimp Hemocyanin) conjugated synthetic peptide between 51-65 amino acids from homo sapiens (Human).
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 [19H63K06] 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: 29 kDa
Uniprot ID	P62753
Gene ID	6194
Background	Component of the 40S small ribosomal subunit (PubMed:23636399, PubMed:8706699). Plays an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA (PubMed:17220279). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797).



Western Blot - Anti-RPS6 Mouse mAb [19H63K06]

All lanes: M900011 at 1:1,000 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: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 7: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 8: Rat kidney whole tissue lysates

Lane 9: Rat muscle whole tissue lysates

Lane 10: Rat spleen whole tissue lysates

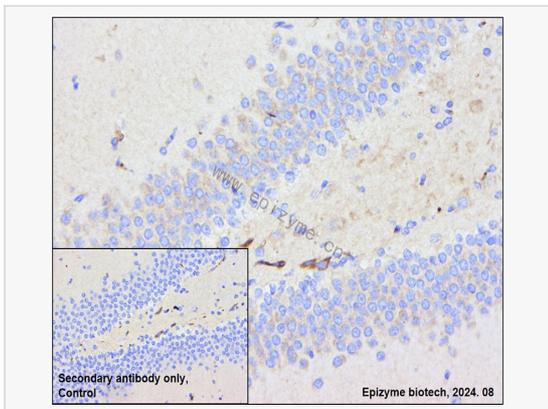
Lysates/proteins at 10 µg per lane.

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: 29 kDa

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



Immunohistochemistry - Anti-RPS6 Mouse mAb [19H63K06]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M900011 at 1:200 dilution

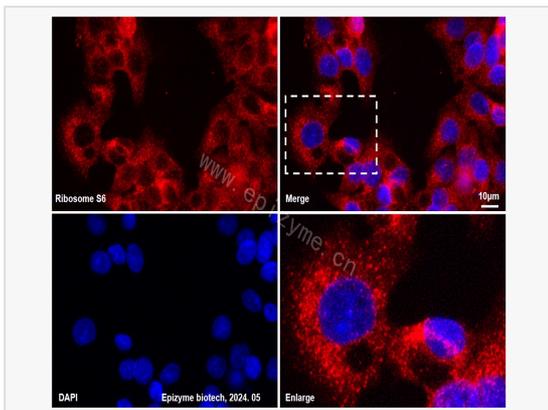
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-RPS6 Mouse mAb [19H63K06]

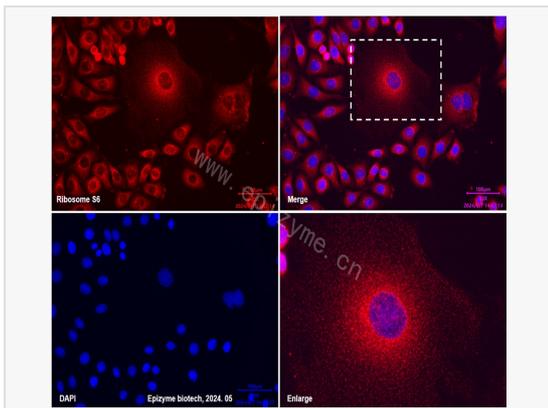
Sample: HepG2 cells

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 antibody: M900011 at 1:100 dilution

Secondary antibodies: Goat anti-Mouse (555) at 1:500 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).



Immunofluorescence - Anti-RPS6 Mouse mAb [19H63K06]

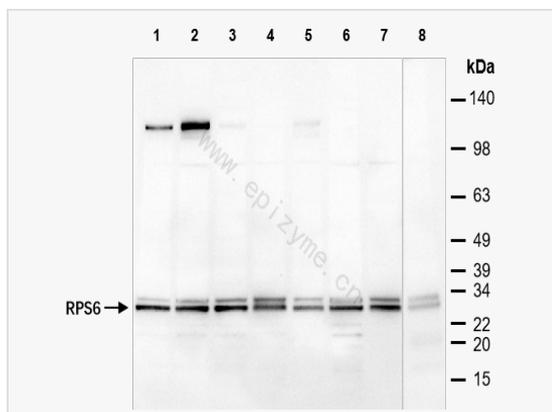
Sample: HeLa cells

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 antibody: M900011 at 1:100 dilution

Secondary antibodies: Goat anti-Mouse (555) at 1:500 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-RPS6 Mouse mAb [19H63K06]

All lanes: M900011 at 1:1,000 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: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 7: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 8: Rat spleen whole tissue lysates

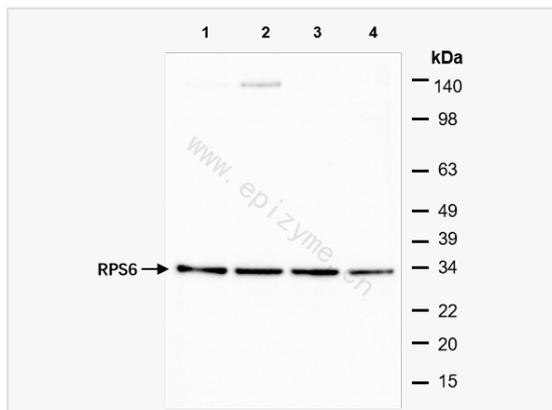
Lysates/proteins at 10 μ g per lane.

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: 29 kDa

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



Western Blot - Anti-RPS6 Mouse mAb [19H63K06]

All lanes: M900011 at 1:1,000 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: SW620 (Human colorectal carcinoma epithelial cell) whole cell 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: 29 kDa

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