

## Anti-RPS6 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

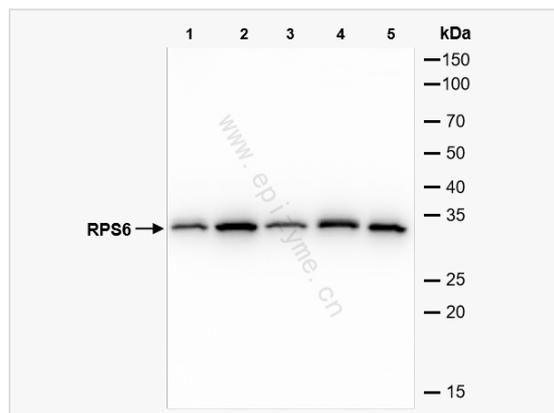
Catalog # R012138

### Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	20M66L88
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 Rabbit mAb [20M66L88] 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: 30 kDa; Observed MW: 30 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 Rabbit mAb [20M66L88]

All lanes: R012138 at 1:1,000 dilution

Lane 1: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates

Lane 3: 293T (Human embryonic kidney cell) whole cell lysates

Lane 4: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 5: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 30 kDa

Observed band size: 30 kDa

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