

## Product Information

Product SKU:	CABP0538	Gene ID:	6194	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

## Additional Information

Observed MW:	32kDa	Conjugate:	Unconjugated
Calculated MW:	29kDa	Isotype:	IgG

## Immunogen Information

**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.

**Recommended Dilution:** WB,1:500 - 1:1000

**Synonyms:** S6; eS6; Phospho-S6 Ribosomal Protein (RPS6)-S235/236

**Purification Method:** Affinity purification

**Immunogen:** A synthetic phosphorylated peptide around S235 & S236 of human RPS6 (NP\_001001.2).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.