Data Sheet (Cat.No.TMAC-03602)

Anti-Phospho-S6 Ribosomal Protein (Ser235) Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 32 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Applications

Application:	ELISA,ICC/IF,WB
Recommended	WB: 1:500-2000; ICC/IF: 1:200-1000; ELISA: 1:20000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human S6 Ribosomal Protein around the phosphorylation site of Ser235. AA range:200-249
Antigen Species:	Human
Uniprot ID:	P62753
Synonyms:	p-S6 Ribosomal Protein (S235);S6;Phospho-S6 Ribosomal Protein (S235);OK/SW-cl.2;eS6;S6 Ribosomal Protein (p-Ser235);S6 Ribosomal Protein (p-S235);p-S6 Ribosomal Protein (Ser235)

Research Background

ribosomal protein S6(RPS6) Homo sapiens 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

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