

Rabbit anti-Human, Mouse Phospho-RPS6-S240/244 Antibody | anti-RPS6-S240/244 antibody

Phospho-RPS6-S240/244 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280631	Rabbit	Human, Mouse	Western Blot

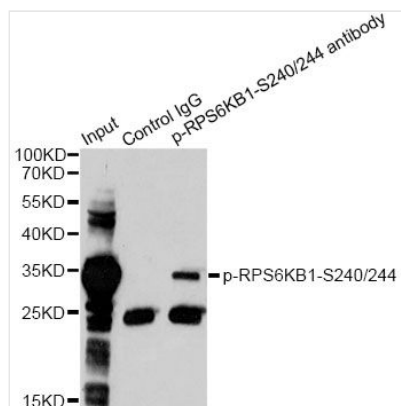
PRODUCT SYNONYMS

Phospho-RPS6-S240/244; Phospho-RPS6-S240/244 Polyclonal Antibody; S6; anti-RPS6-S240/244 antibody

PRODUCT SPECIFICATIONS

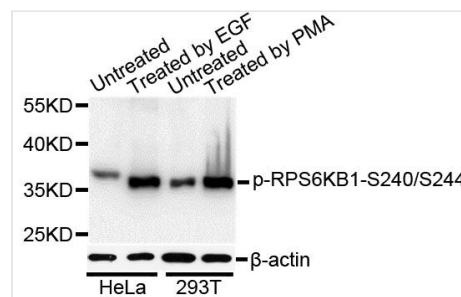
Host	Rabbit
Reactivity	Human, Mouse
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	249
Applicable Applications for anti-RPS6-S240/244 antibody	WB (Western Blot)
Immunogen	A phospho specific peptide corresponding to residues surrounding S240/244 of human RPS6
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of 293 cells treated by PMA using 2.5ug Phospho-RPS6KB1-S240/244 antibody. Western blot was performed from the immunoprecipitate using Phospho-RPS6KB1-S240/244 antibody at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of extracts of HeLa and 293T cells, using Phospho-RPS6KB1-S240/244 antibody at 1:1000 dilution. HeLa cells were treated by EGF (100ng/ml) for 30 minutes after serum-starvation overnight. 293T cells were treated by PMA/TPA (200nM) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6-S240/244 antibody	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.
Product Categories/Family for anti-RPS6-S240/244 antibody	Phosphorylated

NCBI AND UNIPROT INFORMATION

NCBI GI #	17158044
NCBI GeneID	6194
NCBI Accession #	NP_001001.2
NCBI GenBank Nucleotide #	NM_001010.2
UniProt Accession #	P62753; P08227; P10660; Q4VBY7; Q8N6Z7
Molecular Weight	Calculated MW: 29kDa Molecular Weight: 249
NCBI Official Full Name	40S ribosomal protein S6
NCBI Official Synonym Full Names	ribosomal protein S6
NCBI Official Symbol	RPS6
NCBI Official Synonym Symbols	S6
NCBI Protein Information	40S ribosomal protein S6
UniProt Protein Name	40S ribosomal protein S6
UniProt Gene Name	RPS6
UniProt Entry Name	RS6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rabbit-human-mouse-antibody/phospho-rps6-s240-244/280631>