

Rabbit RPS6 (Ser240/244) Polyclonal Antibody | anti-RPS6 antibody

RPS6 (Ser240/244) Antibody

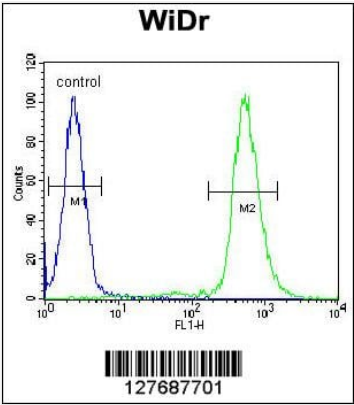
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288858	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Monkey, Mouse, Rat, Xenopus)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

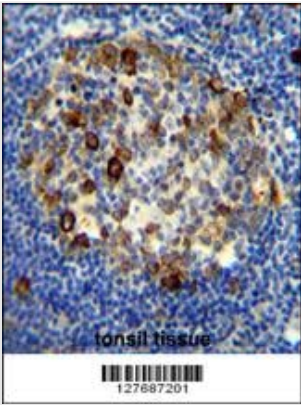
RPS6 (Ser240/244); Polyclonal Antibody; RPS6 (Ser240/244) Antibody; 40S ribosomal protein S6; Phosphoprotein NP33; RPS6; anti-RPS6 antibody

PRODUCT SPECIFICATIONS

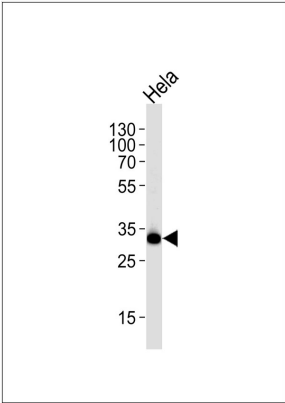
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Monkey, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RPS6 (Ser240/244) Antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-249 amino acids from human RPS6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	220-249
Sequence Length	249
Applicable Applications for anti-RPS6 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
RPS6 Antibody (Ser240/244) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
RPS6 antibody (Ser240/244) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RPS6 antibody (Ser240/244) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysate from HeLa cell line, using RPS6 Antibody(Ser240/244). AAA288858 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6 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 antibody	Cell Biology

References	Maggi, L.B. Jr., et al. Mol. Cell. Biol. 28(23):7050-7065(2008) Fujita, K., et al. Acta Neuropathol. 116(4):439-445(2008) Robledo, S., et al. RNA 14(9):1918-1929(2008) Glover, E.I., et al. Am. J. Physiol. Regul. Integr. Comp. Physiol. 295 (2), R604-R610 (2008) : Ma, X.M., et al. Cell 133(2):303-313(2008)
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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	28681
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://stage.aaabiotech.com/polyclonal/rps6-ser240-244-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/288858>