

Rabbit anti-Human, Mouse S6 Ribosomal Monoclonal Antibody | anti-S6 antibody

Phospho-S6 Ribosomal Protein (Ser240, 244) Antibody, Rabbit Mab

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258880	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

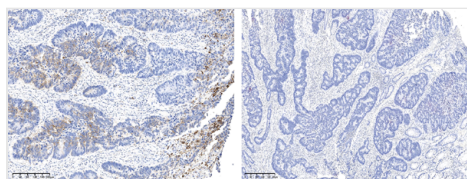
PRODUCT SYNONYMS

S6 Ribosomal; Monoclonal Antibody; Phospho-S6 Ribosomal Protein (Ser240; 244) Antibody; Rabbit Mab; ribosomal protein S6; Anti-S6 Antibody; anti-S6 antibody

PRODUCT SPECIFICATIONS

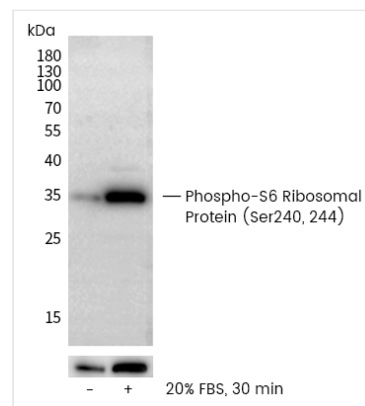
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	#0018
Specificity	Human Phospho-S6 Ribosomal Protein (Ser240, 244)
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-S6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to residues around (Ser240, 244) of Human Phospho-S6 Ribosomal Protein
Preparation	The antibody is produced by immunizing rabbits with a synthetic phosphopeptide corresponding to residues around (Ser240, 244) of Human Phospho-S6 Ribosomal Protein.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human carcinoma of sigmoid tissue, untreated (left) or lambda phosphatase-treated (right), using Recombinant Phospho-S6 Ribosomal Protein (Ser240/244) Antibody, Rabbit Monoclonal (#AAA258880) at 1:2000 dilution.



WB (Western Blot)

Western blot analysis of extracts from serum-starved HEK293, untreated (-) or treated with 20% FBS, using Phospho-S6 Ribosomal Protein (Ser240, 244) Antibody, Rabbit Mab (upper), or Anti-RPS6 Antibody, Rabbit Polyclonal (lower) at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-S6 antibody	Ribosomal protein S6 (rpS6), a component of the 40S ribosomal subunit, is involved in multiple cellular bioactivities. RPS6 is a downstream substrate of PI3K/Akt/mTOR/ kinase and MAPK kinase pathways and its dephosphorylation is also triggered by DNA double-strand breaks. The ribosomal protein S6 (RPS6) is a downstream component of the signaling mediated by the target of rapamycin (TOR) kinase that acts as a central regulator of the key metabolic processes, such as protein translation and ribosome biogenesis, in response to various environmental cues. mTORC1/rpS6 signaling complex promoted Sertoli blood-testis barrier (BTB) remodeling by perturbing Sertoli cell-cell adhesion site known as the basal ectoplasmic specialization (ES). mTORC1/rpS6 complex also promoted disruption of spermatid adhesion at the Sertoli-spermatid interface called the apical ES.
References	Wu S, et al. (2019) Mtorc1/rps6 and spermatogenic function in the testis-insights from the adjudin model. Reprod Toxicol 89 54-66. Son O, et al. (2015) Identification of nucleosome assembly protein 1 (nap1) as an interacting partner of plant ribosomal protein s6 (rps6) and a positive regulator of rdna transcription. Biochem Biophys Res Commun 465 (2): 200-205. Grundy M, et al. (2018) Early changes in rps6 phosphorylation and bh3 profiling predict response to chemotherapy in aml cells. PLoS One 13 (5): e0196805.

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/monoclonal/s6-ribosomal-antibody-clone-0018-immunohistochemistry-western-blot-elisa/258880>