

Rabbit RPS6 Polyclonal Antibody | anti-RPS6 antibody

Anti-RPS6 Antibody, Rabbit Polyclonal

CATALOG # AAA254305	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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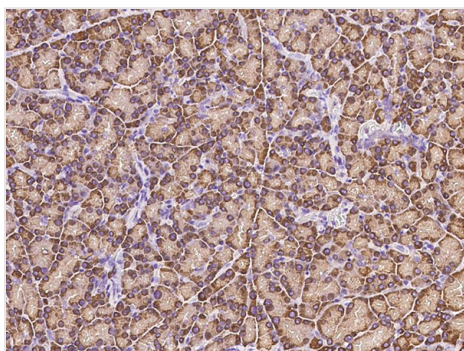
PRODUCT SYNONYMS

RPS6; Polyclonal Antibody; Anti-RPS6 Antibody; Rabbit Polyclonal; RPS6 Antibody; Rabbit PAb; Antigen Affinity Purified; ribosomal protein S6; Anti-S6 Antibody; anti-RPS6 antibody

PRODUCT SPECIFICATIONS

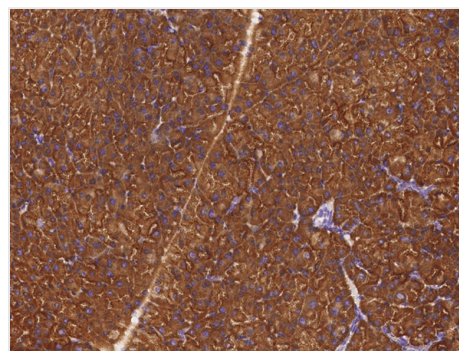
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RPS6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RPS6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human RPS6
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human RPS6, and purified by antigen affinity chromatography.
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. Avoid repeated freeze-thaw cycles.

IMAGES



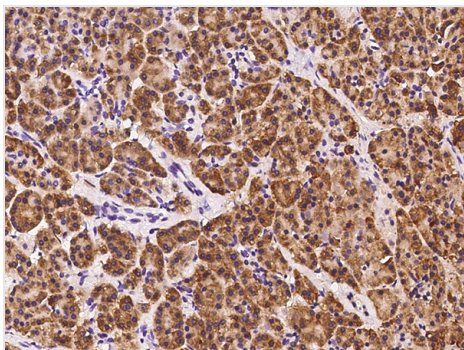
IHC (Immunohistochemistry)

Immunochemical staining RPS6 in rat pancreas with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



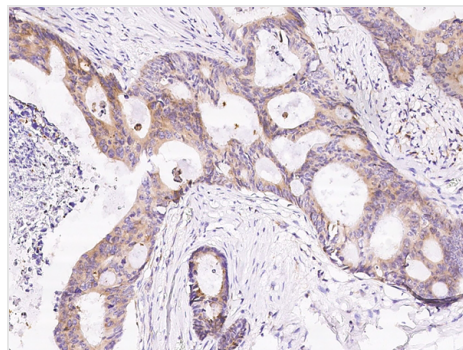
IHC (Immunohistochemistry)

Immunochemical staining RPS6 in mouse pancreas with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



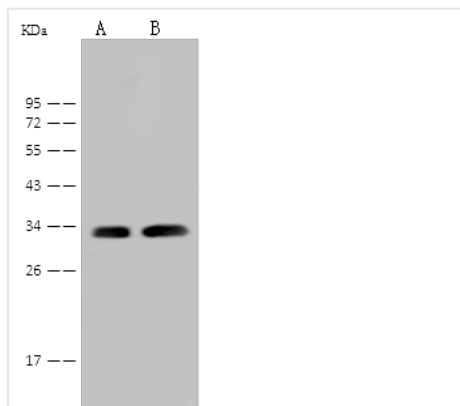
IHC (Immunohistochemistry)

Immunochemical staining RPS6 in human pancreas with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining RPS6 in human colon carcinoma with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-RPS6 rabbit polyclonal antibody at 1:2000 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
Developed using the ECL technique.
Performed under reducing conditions.
Predicted band size: 28 kDa
Observed band size: 32 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6 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.
Product Categories/Family for anti-RPS6 antibody	AMPK Signaling Pathway
References	Wu S, et al. (2019) Mtorc1/rps6 and spermatogenic function in the testis-insights from the adjudin model. <i>Reprod Toxicol</i> 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. <i>Biochem Biophys Res Commun</i> 465 (2): 200-205. Grundy M, et al. (2018) Early changes in rps6 phosphorylation and bh3 profiling predict response to chemotherapy in aml cells. <i>PLoS One</i> 13 (5): e0196805.

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	28,681 Da
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; phosphoprotein NP33
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/polyclonal/rps6-antibody-immunohistochemistry-western-blot-elisa/254305>