

Rabbit anti-Human RPS10 Polyclonal Antibody | anti-RPS10 antibody

Anti-RPS10 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256323	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RPS10; Polyclonal Antibody; Anti-RPS10 Antibody; Rabbit Polyclonal; RPS10 Antibody; Rabbit PAb; Antigen Affinity Purified; ribosomal protein S10; Anti-DBA9 Antibody; Anti-S10 Antibody; anti-RPS10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RPS10
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RPS10 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human RPS10 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RPS10 fragment, 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



IP (Immunoprecipitation)

RPS10 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate, 4 uL anti-RPS10 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-RPS10 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 19 kDa. Observed band size: 19 kDa.



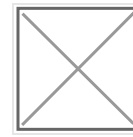
IF (Immunofluorescence)

Immunofluorescence staining of RPS10 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human RPS10 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human RPS10 in human pancreas with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human RPS10 in human breast with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-RPS10 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: K562 Whole Cell Lysate Lane C: Raji Whole Cell Lysate Lane D: U-251 MG 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: 19 kDa Observed band size: 19 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RPS10 antibody

Rps10, a gene coding for ribosomal protein S10 of Arabidopsis mitochondria has been transferred to the nuclear compartment, while in pea and potato the active rps10 is mitochondrially located. The RPS10 polypeptide of 129 amino acids is encoded by two exons of 307 bp and 80 bp respectively, which are separated by a 774-bp class-II intron. The nuclear rps10 gene contains an intron at the junction of the target signal sequence and the mitochondrial-derived sequence, indicating that exon shuffling may have been involved in the addition of the transit peptide signal. Sequence comparison of Arabidopsis rps10 to the plant mitochondrial counterparts shows that the edited version is present in the nucleus of Arabidopsis. Homozygous plants presented developmentally early onset of silencing, a very efficient decrease in the level of Rps10 transcripts, as well as a severe and uniform phenotype called P1.

References

Zanlungo S, et al. (1995) Splicing and editing of rps10 transcripts in potato mitochondria. *Curr Genet* 27 (6): 565-571. Wischmann C, et al. (1995) Transfer of rps10 from the mitochondrion to the nucleus in Arabidopsis thaliana: Evidence for rna-mediated transfer and exon shuffling at the integration site. *FEBS Lett* 374 (2): 152-156. Majewski P, et al. (2009) Developmentally early and late onset of rps10 silencing in Arabidopsis thaliana: Genetic and environmental regulation. *J Exp Bot* 60 (4): 1163-1178.

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/rps10-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256323>