

Anti-RS10 antibody



Description	Unconjugated Rabbit polyclonal to RS10
Model	STJ190467
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human RS10 protein.
Immunogen Region	40-120aa
Gene ID	6204
Gene Symbol	RPS10
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	RS10 Polyclonal Antibody detects endogenous levels of protein.
Purification	RS10 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	40S ribosomal protein S10 Small ribosomal subunit protein eS10
Molecular Weight	18 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10383OMIM:603632
Alternative Names	40S ribosomal protein S10 Small ribosomal subunit protein eS10
Function	Component of the 40S ribosomal subunit.
Cellular Localization	Cytoplasm Nucleus, nucleolus. Localized in the granular component (GC) region of the nucleolus. Methylation is required for its localization in the GC region. Colocalizes with NPS1 in the GC region of the nucleolus.
Post-translational Modifications	Methylated by PRMT5. Methylation is necessary for its interaction with NPS1, its localization in the granular component (GC) region of the nucleolus, for the proper assembly of ribosomes, protein synthesis and optimal cell proliferation. Monoubiquitinated by ZNF598 when a ribosome has stalled during translation of poly(A) sequences, leading to preclude synthesis of a long poly-lysine tail and initiate the ribosome quality control (RQC) pathway to degrade the potentially detrimental aberrant nascent polypeptide .