

Anti-RPS7 / Ribosomal Protein S7 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18620

Product Information

Application	WB, IHC-P, IF
Primary Accession	P62081
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22127

Additional Information

Gene ID	6201
Alias Symbol	RPS7
Other Names	RPS7, 40S ribosomal protein S7, Ribosomal protein S7, DBA8
Target/Specificity	Human RPS7
Reconstitution & Storage	Affinity purified
Precautions	Anti-RPS7 / Ribosomal Protein S7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RPS7 (HGNC:10440)
Function	Component of the small ribosomal subunit (PubMed: 23636399). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: 23636399). Required for rRNA maturation (PubMed: 19061985). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed: 34516797).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm. Nucleus, nucleolus Note=Although RPS7 is functional within the cytoplasm, the assembly of ribosomal subunits occurs in the nucleus. RPS7 nuclear import is mediated by IPO5/RanBP5, IPO7/RanBP7,

KPNB1/importin-beta or TPNO1/Trn (PubMed:9687515). Colocalizes with NEK6 in the centrosome (PubMed:20873783).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.