

**Anti-RPS7 / Ribosomal Protein S7 Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18620****Specification**

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**Anti-RPS7 / Ribosomal Protein S7 Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">P62081</a>
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22127

**Anti-RPS7 / Ribosomal Protein S7 Antibody - 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.**Anti-RPS7 / Ribosomal Protein S7 Antibody - Protein Information****Name** RPS7 ([HGNC:10440](#))**Function**

Component of the small ribosomal subunit (PubMed: [23636399](http://www.uniprot.org/citations/23636399)). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: [23636399](http://www.uniprot.org/citations/23636399)). Required for rRNA maturation (PubMed: [19061985](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/34516797))

target="\_blank">34516797</a>).

#### **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).

#### **Anti-RPS7 / Ribosomal Protein S7 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-RPS7 / Ribosomal Protein S7 Antibody - Images**