

**RPL10 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19053a****Specification**

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**RPL10 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P27635</a>
Other Accession	<a href="#">Q6PDV7</a> , <a href="#">Q29195</a> , <a href="#">Q6Z WV3</a> , <a href="#">Q4R7Y2</a> , <a href="#">Q08200</a> , <a href="#">Q9XSI3</a> , <a href="#">P86048</a> , <a href="#">Q4R4D3</a> , <a href="#">Q96L21</a> , <a href="#">Q2TBW8</a> , <a href="#">NP_006004.2</a> , <a href="#">A8D8X1</a> , <a href="#">Q7ZV96</a> , <a href="#">B7NZO2</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Monkey, Chicken, Zebrafish, Pig, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	17-45

**RPL10 Antibody (N-term) - Additional Information****Gene ID** 6134**Other Names**

60S ribosomal protein L10, Laminin receptor homolog, Protein QM, Tumor suppressor QM, RPL10, DXS648E, QM

**Target/Specificity**

This RPL10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-45 amino acids from the N-terminal region of human RPL10.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RPL10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RPL10 Antibody (N-term) - Protein Information**

**Name** RPL10 ([HGNC:10298](#))

**Synonyms** DXS648E, QM

**Function** Component of the large ribosomal subunit (PubMed:[26290468](#)). Plays a role in the formation of actively translating ribosomes (PubMed:[26290468](#)). May play a role in the embryonic brain development (PubMed:[25316788](#)).

**Cellular Location**

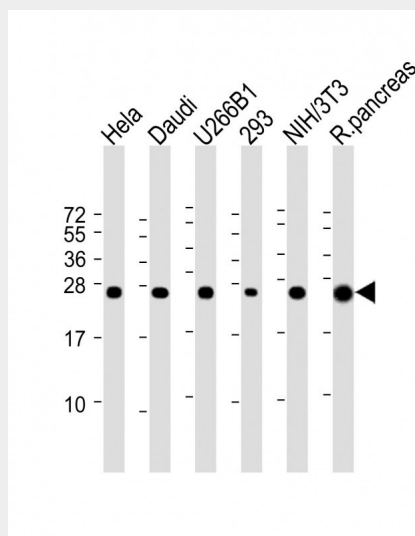
Cytoplasm {ECO:0000250|UniProtKB:Q6ZWV3}.

**RPL10 Antibody (N-term) - 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](#)

**RPL10 Antibody (N-term) - Images**



All lanes : Anti-RPL10 Antibody (N-term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: Daudi whole cell lysate Lane 3: U266B1 whole cell lysate Lane 4: 293 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lane 6: Rat pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**RPL10 Antibody (N-term) - Background**

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80

structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L10E family of ribosomal proteins. It is located in the cytoplasm. In vitro studies have shown that the chicken protein can bind to c-Jun and can repress c-Jun-mediated transcriptional activation, but these activities have not been demonstrated in vivo. This gene was initially identified as a candidate for a Wilms tumor suppressor gene, but later studies determined that this gene is not involved in the suppression of Wilms tumor. This gene has been referred to as 'laminin receptor homolog' because a chimeric transcript consisting of sequence from this gene and sequence from the laminin receptor gene was isolated; however, it is not believed that this gene encodes a laminin receptor. Transcript variants utilizing alternative polyA signals exist. The variant with the longest 3' UTR overlaps the deoxyribonuclease I-like 1 gene on the opposite strand. This gene is co-transcribed with the small nucleolar RNA gene U70, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

#### **RPL10 Antibody (N-term) - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Gong, X., et al. BMC Med. Genet. 10, 7 (2009) :  
Nishimura, M., et al. J. Mol. Biol. 377(2):421-430(2008)  
Farmer, A.A., et al. Nucleic Acids Res. 24(11):2158-2165(1996)

#### **RPL10 Antibody (N-term) - Citations**

- [Biological Function of Ribosomal Protein L10 on Cell Behavior in Human Epithelial Ovarian Cancer.](#)