

**RPL28 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12499b****Specification**

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**RPL28 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P46779](#)**RPL28 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6158**Other Names**

60S ribosomal protein L28, RPL28

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RPL28 Antibody (C-term) Blocking peptide - Protein Information****Name** RPL28**Function**

Component of the large ribosomal subunit (PubMed: [12962325](http://www.uniprot.org/citations/12962325), PubMed: [23636399](http://www.uniprot.org/citations/23636399), PubMed: [32669547](http://www.uniprot.org/citations/32669547)). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: [12962325](http://www.uniprot.org/citations/12962325), PubMed: [23636399](http://www.uniprot.org/citations/23636399), PubMed: [32669547](http://www.uniprot.org/citations/32669547)).

**Cellular Location**

Cytoplasm.

**RPL28 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **RPL28 Antibody (C-term) Blocking peptide - Images**

#### **RPL28 Antibody (C-term) Blocking peptide - 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 L28E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

#### **RPL28 Antibody (C-term) Blocking peptide - References**

Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) : Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Andersen, J.S., et al. Nature 433(7021):77-83(2005) Colland, F., et al. Genome Res. 14(7):1324-1332(2004) Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004) :