

**RPL13A Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4932b****Specification**

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**RPL13A Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P40429](#)**RPL13A Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 23521**Other Names**

60S ribosomal protein L13a, 23 kDa highly basic protein, RPL13A

**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.

**RPL13A Antibody (C-term) Blocking Peptide - Protein Information****Name** RPL13A**Function**

Associated with ribosomes but is not required for canonical ribosome function and has extra-ribosomal functions (PubMed:<a href="http://www.uniprot.org/citations/14567916" target="\_blank">14567916</a>, PubMed:<a href="http://www.uniprot.org/citations/17218275" target="\_blank">17218275</a>, PubMed:<a href="http://www.uniprot.org/citations/23636399" target="\_blank">23636399</a>, PubMed:<a href="http://www.uniprot.org/citations/32669547" target="\_blank">32669547</a>). Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes (PubMed:<a href="http://www.uniprot.org/citations/23071094" target="\_blank">23071094</a>). Upon interferon-gamma activation and subsequent phosphorylation dissociates from the ribosome and assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation (PubMed:<a href="http://www.uniprot.org/citations/23071094" target="\_blank">23071094</a>). In the GAIT complex interacts with m7G cap-bound eIF4G at or near the eIF3-binding site and blocks the recruitment of the 43S ribosomal complex (PubMed:<a href="http://www.uniprot.org/citations/23071094" target="\_blank">23071094</a>). Involved in methylation of rRNA (PubMed:<a href="http://www.uniprot.org/citations/17921318" target="\_blank">17921318</a>).

**Cellular Location**

Cytoplasm

**RPL13A Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**RPL13A Antibody (C-term) Blocking Peptide - Images****RPL13A 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 L13P family of ribosomal proteins. It is located in the cytoplasm.

**RPL13A Antibody (C-term) Blocking Peptide - References**

Maggi, L.B. Jr., et al. Mol. Cell. Biol. 28(23):7050-7065(2008)Chaudhuri, S., et al. RNA 13(12):2224-2237(2007)Andersen, J.S., et al. Nature 433(7021):77-83(2005)