

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

RPL13A Antibody (C-term) Blocking Peptide - Product InformationPrimary 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:14567916, PubMed:17218275, PubMed:23636399, PubMed:32669547). Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes (PubMed:23071094). 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:23071094). 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:23071094). Involved in methylation of rRNA (PubMed:17921318).

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)