

**EEF2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2906b****Specification**

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**EEF2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P13639](#)**EEF2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1938**Other Names**

Elongation factor 2, EF-2, EEF2, EF2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2906b](/products/AP2906b) was selected from the C-term region of human EEF2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**EEF2 Antibody (C-term) Blocking Peptide - Protein Information****Name** EEF2**Synonyms** EF2**Function**

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation (PubMed: [26593721](http://www.uniprot.org/citations/26593721)). During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl- tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively (PubMed: [26593721](http://www.uniprot.org/citations/26593721)). Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome (PubMed: [26593721](http://www.uniprot.org/citations/26593721)).

**Cellular Location**

Cytoplasm. Nucleus. Note=Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C- terminal cleavage product.

**EEF2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**EEF2 Antibody (C-term) Blocking Peptide - Images****EEF2 Antibody (C-term) Blocking Peptide - Background**

EEF2 is a member of the GTP-binding translation elongation factor family. This protein is an essential factor for protein synthesis. It promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome. This protein is completely inactivated by EF-2 kinase phosphorylation.

**EEF2 Antibody (C-term) Blocking Peptide - References**

Redpath,N.T., et.al., Eur. J. Biochem. 213 (2), 689-699 (1993) Nakamura,J., et.al., Int. J. Oncol. 34 (5), 1181-1189 (2009)