

**EIF2S3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18149b****Specification**

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**EIF2S3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P41091](#)**EIF2S3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1968**Other Names**

Eukaryotic translation initiation factor 2 subunit 3, Eukaryotic translation initiation factor 2 subunit gamma X, eIF-2-gamma X, eIF-2gX, EIF2S3, EIF2G

**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.

**EIF2S3 Antibody (C-term) Blocking Peptide - Protein Information****Name** EIF2S3**Synonyms** EIF2G**Function**

Member of the eIF2 complex that functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA (PubMed:<a href="http://www.uniprot.org/citations/31836389" target="\_blank">31836389</a>). This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form the 43S pre-initiation complex (43S PIC) (By similarity). Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF2 and release of an eIF2-GDP binary complex (By similarity). In order for eIF2 to recycle and catalyze another round of initiation, the GDP bound to eIF2 must exchange with GTP by way of a reaction catalyzed by eIF-2B (By similarity).

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q09130}

**Tissue Location**

Expressed in testis, brain, liver and muscle.

**EIF2S3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**EIF2S3 Antibody (C-term) Blocking Peptide - Images****EIF2S3 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is the largest subunit of a heterotrimeric GTP-binding protein involved in the recruitment of methionyl-tRNA(i) to the 40 S ribosomal subunit. [provided by RefSeq].

**EIF2S3 Antibody (C-term) Blocking Peptide - References**

Burkhardt, J., et al. J. Rheumatol. 36(10):2149-2157(2009) Tu, L.C., et al. Mol. Cell Proteomics 6(4):575-588(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) Mikami, S., et al. Protein Expr. Purif. 46(2):348-357(2006)