

**EIF2B3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17027b****Specification**

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**EIF2B3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9NR50](#)**EIF2B3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 8891**Other Names**

Translation initiation factor eIF-2B subunit gamma, eIF-2B GDP-GTP exchange factor subunit gamma, EIF2B3

**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.

**EIF2B3 Antibody (C-term) Blocking Peptide - Protein Information****Name** EIF2B3**Function**

Acts as a component of the translation initiation factor 2B (eIF2B) complex, which catalyzes the exchange of GDP for GTP on the eukaryotic initiation factor 2 (eIF2) complex gamma subunit (PubMed: [25858979](http://www.uniprot.org/citations/25858979)), PubMed: [27023709](http://www.uniprot.org/citations/27023709), PubMed: [31048492](http://www.uniprot.org/citations/31048492)). Its guanine nucleotide exchange factor activity is repressed when bound to eIF2 complex phosphorylated on the alpha subunit, thereby limiting the amount of methionyl-initiator methionine tRNA available to the ribosome and consequently global translation is repressed (PubMed: [25858979](http://www.uniprot.org/citations/25858979), PubMed: [31048492](http://www.uniprot.org/citations/31048492)).

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

**EIF2B3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **EIF2B3 Antibody (C-term) Blocking Peptide - Images**

#### **EIF2B3 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this gene have been associated with leukodystrophy with vanishing white matter. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

#### **EIF2B3 Antibody (C-term) Blocking Peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Pronk, J., et al. Mult. Scler. 14(8):1123-1126(2008)Maletkovic, J., et al. J. Child Neurol. 23(2):205-215(2008)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Mikami, S., et al. Protein Expr. Purif. 46(2):348-357(2006)