

EIF2B4 Antibody (Center K161) Blocking peptide
Synthetic peptide
Catalog # BP11223c**Specification**

EIF2B4 Antibody (Center K161) Blocking peptide - Product InformationPrimary Accession [Q9UI10](#)**EIF2B4 Antibody (Center K161) Blocking peptide - Additional Information****Gene ID** 8890**Other Names**

Translation initiation factor eIF-2B subunit delta, eIF-2B GDP-GTP exchange factor subunit delta, EIF2B4, EIF2BD

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.

EIF2B4 Antibody (Center K161) Blocking peptide - Protein Information**Name** EIF2B4**Synonyms** EIF2BD**Function**

Acts as a component of the translation initiation factor 2B (eIF2B) complex, which catalyzes the exchange of GDP for GTP on eukaryotic initiation factor 2 (eIF2) gamma subunit (PubMed:25858979, PubMed:27023709, PubMed: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, PubMed:31048492).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q09924}

EIF2B4 Antibody (Center K161) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

EIF2B4 Antibody (Center K161) Blocking peptide - Images

EIF2B4 Antibody (Center K161) Blocking peptide - Background

Eukaryotic initiation factor 2B (EIF2B), which is necessary for protein synthesis, is a GTP exchange factor composed of five different subunits. The protein encoded by this gene is the fourth, or delta, subunit. Defects in this gene are a cause of leukoencephalopathy with vanishing white matter (VWM) and ovarioleukodystrophy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

EIF2B4 Antibody (Center K161) Blocking peptide - References

Naukkarinen, J., et al. PLoS Genet. 6 (6), E1000976 (2010) :Wu, Y., et al. J. Hum. Genet. 54(2):74-77(2009)Horzinski, L., et al. PLoS ONE 4 (12), E8318 (2009) :Pronk, J., et al. Mult. Scler. 14(8):1123-1126(2008)Wong, S.S., et al. J. Child Neurol. 23(6):710-714(2008)