

EIF2B3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17027B**Specification**

EIF2B3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9NR50
Other Accession	O4R6T3 , NP_001160060.1 , NP_065098.1 , O9HA31
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50240
Antigen Region	413-441

EIF2B3 Antibody (C-term) - Additional Information**Gene ID** 8891**Other Names**

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

Target/Specificity

This EIF2B3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 413-441 amino acids from the C-terminal region of human EIF2B3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EIF2B3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2B3 Antibody (C-term) - 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](#), 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](#)).

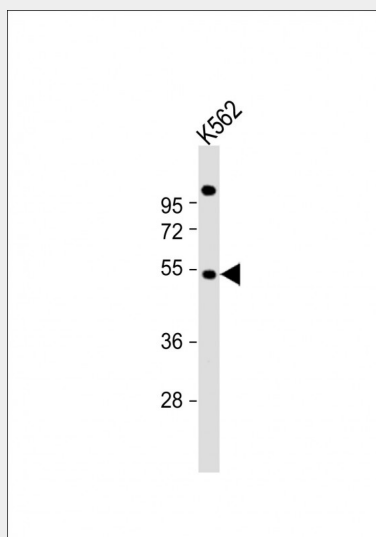
Cellular Location

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

EIF2B3 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EIF2B3 Antibody (C-term) - Images

Anti-EIF2B3 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

EIF2B3 Antibody (C-term) - 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) - 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)