

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

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**EIF2B3 Antibody (C-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O9NR50</a>
Other Accession	<a href="#">O4R6T3</a> , <a href="#">NP_001160060.1</a> , <a href="#">NP_065098.1</a> , <a href="#">O9HA31</a>
Reactivity	<b>Human</b>
Predicted	<b>Monkey</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>50240</b>
Antigen Region	<b>413-441</b>

**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

**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

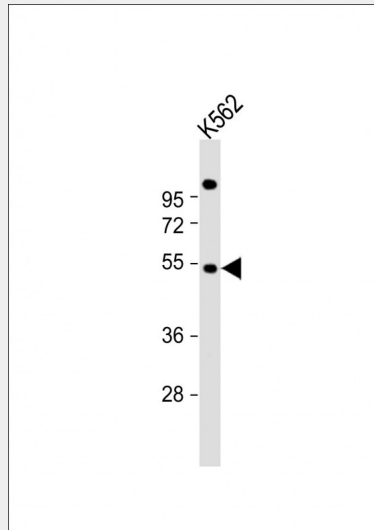
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

#### 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% NFD/MBST.

#### 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)