

## 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 Q4R6T3, NP 001160060.1, NP 065098.1,

<u>Q9HA31</u>

Reactivity
Predicted
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Monkey
Rabbit
Polyclonal
Rabbit IgG
50240
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**

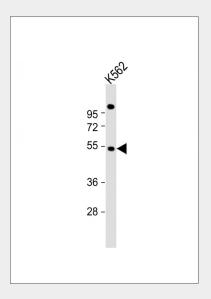
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

### EIF2B3 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### EIF2B3 Antibody (C-term) - Images



Anti-EIF2B3 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20  $\mu$ g 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)