

**EIF2B3 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50593****Specification**

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**EIF2B3 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9NR50</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>50,46,45 KDa</b>
Antigen Region	<b>275-301</b>

**EIF2B3 Antibody - Additional Information****Gene ID** 8891**Other Names**

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

**Dilution**

WB~~ 1:1000

**Format**Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

**EIF2B3 Antibody - 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

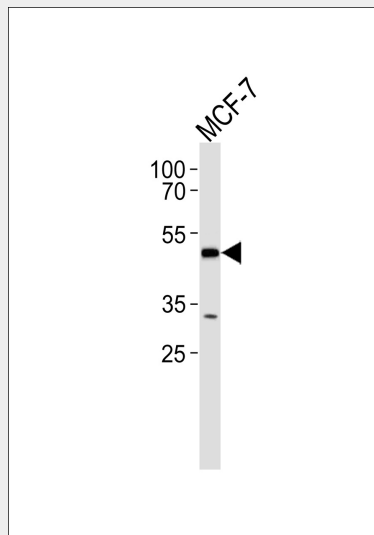
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

### EIF2B3 Antibody - 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 - Images



Western blot analysis of lysate from MCF-7 cell line, using EIF2B3 Antibody (AP50593). AP50593 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

### EIF2B3 Antibody - Background

Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.

### EIF2B3 Antibody - References

- Krueger M., et al. Proc. Natl. Acad. Sci. U.S.A. 97:8566-8571(2000).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Bechtel S., et al. BMC Genomics 8:399-399(2007).  
Gregory S.G., et al. Nature 441:315-321(2006).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.