

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

EIF2B3 Antibody - Product Information

Application	WB
Primary Accession	Q9NR50
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50,46,45 KDa
Antigen Region	275-301

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

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), 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)).

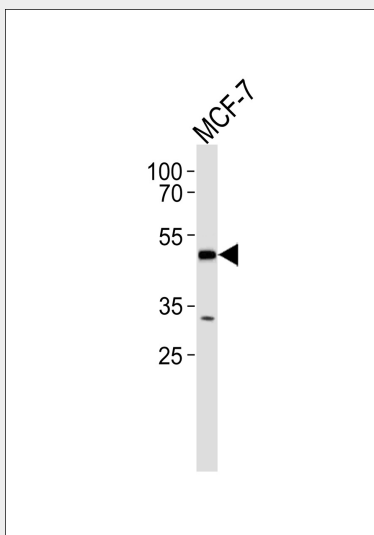
Cellular Location

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 35 µg.

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.