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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

Format
Rabbit 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℃

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, 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).

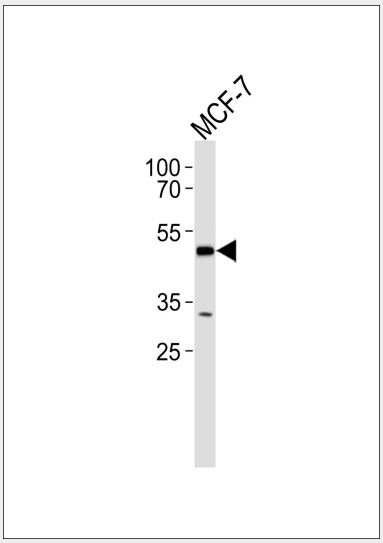
Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

EIF2B3 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).
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