

EIF2By Polyclonal Antibody
Catalog # AP69688**Specification**

EIF2By Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9NR50
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

EIF2By Polyclonal Antibody - Additional Information**Gene ID** 8891**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

EIF2By Polyclonal 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

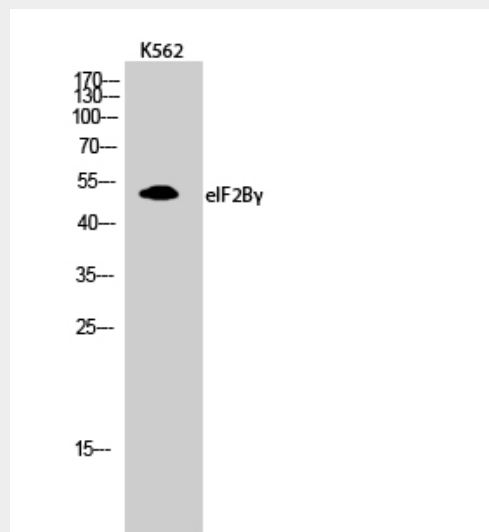
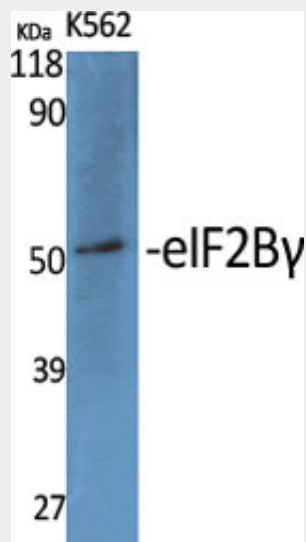
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

eIF2B γ Polyclonal 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](#)

eIF2B γ Polyclonal Antibody - Images



eIF2B γ Polyclonal Antibody - Background

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