

**EIF2By Polyclonal Antibody**  
**Catalog # AP69688****Specification**

---

**EIF2By Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q9NR50</a> |
| 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:<a href="http://www.uniprot.org/citations/25858979" target="\_blank">25858979</a>, PubMed:<a href="http://www.uniprot.org/citations/27023709" target="\_blank">27023709</a>, PubMed:<a href="http://www.uniprot.org/citations/31048492" target="\_blank">31048492</a>). 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:<a href="http://www.uniprot.org/citations/25858979" target="\_blank">25858979</a>, PubMed:<a href="http://www.uniprot.org/citations/31048492" target="\_blank">31048492</a>).

**Cellular Location**

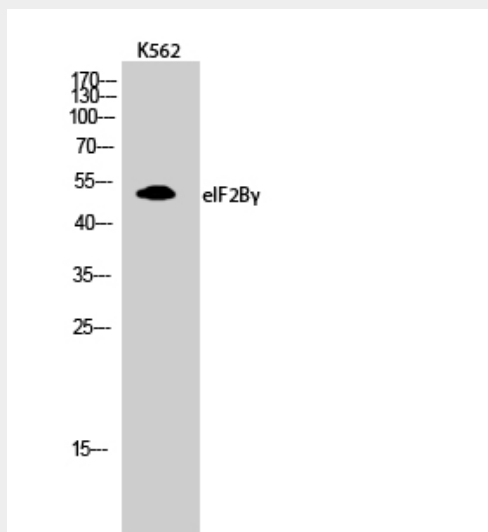
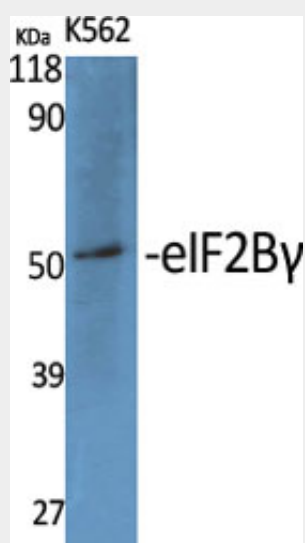
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56288}

## eIF2B $\gamma$ 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 $\gamma$ Polyclonal Antibody - Images



## eIF2B $\gamma$ Polyclonal Antibody - Background

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