

# Eif2b3 Antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI15327

## Product Information

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Application       | WB                                                                        |
| Primary Accession | <a href="#">P70541</a>                                                    |
| Other Accession   | <a href="#">NM_133609</a> , <a href="#">NP_598293</a>                     |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| Predicted         | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| Host              | Rabbit                                                                    |
| Clonality         | Polyclonal                                                                |
| Calculated MW     | 50435                                                                     |

## Additional Information

|                          |                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 171145                                                                                                                                                                                          |
| Other Names              | Translation initiation factor eIF-2B subunit gamma, eIF-2B GDP-GTP exchange factor subunit gamma, Eif2b3, Eif2bg                                                                                |
| Format                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                               |
| Reconstitution & Storage | Add 50 ul of distilled water. Final anti-Eif2b3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions              | Eif2b3 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                               |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | Eif2b3                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms          | Eif2bg                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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. 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. |
| Cellular Location | Cytoplasm, cytosol {ECO:0000250 UniProtKB:P56288}                                                                                                                                                                                                                                                                                                                                                                                                                        |

**Tissue Location**

Brain, heart, liver, muscle and testis.

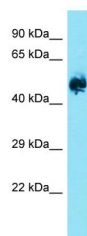
**References**

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Price N.T., et al. Biochem. J. 318:631-636(1996).

**Images**

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Host: Rabbit

Target Name: Eif2b3

Sample Tissue: Rat Brain lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.