

**EIF2B epsilon Antibody**  
**Rabbit mAb**  
**Catalog # AP91756****Specification**

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**EIF2B epsilon Antibody - Product Information**

|                                                         |                        |
|---------------------------------------------------------|------------------------|
| Application                                             | WB, IHC, ICC           |
| Primary Accession                                       | <a href="#">Q13144</a> |
| Clonality                                               | Monoclonal             |
| <b>Other Names</b>                                      |                        |
| CACH; CLE; EIF 2B; EIF2B; EIF2B5; EIF2BE; EIF2Bepsilon; |                        |
| Isotype                                                 | Rabbit IgG             |
| Host                                                    | Rabbit                 |
| Calculated MW                                           | 80380 Da               |

**EIF2B epsilon Antibody - Additional Information**

|                              |                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>ICC~~N/A                                                                                                                                          |
| Purification                 | Affinity-chromatography                                                                                                                                                           |
| Immunogen                    | A synthesized peptide derived from human EIF2B epsilon                                                                                                                            |
| Description                  | Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.                                                                                                       |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

**EIF2B epsilon Antibody - Protein Information****Name** EIF2B5**Synonyms** EIF2BE**Function**

Acts as a component of the translation initiation factor 2B (eIF2B) complex, which catalyzes the exchange of GDP for GTP on eukaryotic initiation factor 2 (eIF2) 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>).

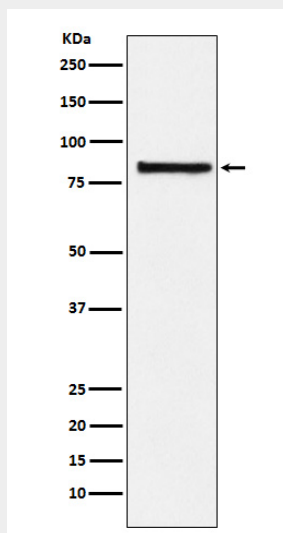
**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56287}

**eIF2B epsilon 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 epsilon Antibody - Images**

Western blot analysis of eIF2B epsilon expression in HeLa cell lysate.