

## Anti-eIF2B epsilon Rabbit Monoclonal Antibody Catalog # ABO15309

### Specification

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#### Anti-eIF2B epsilon Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">Q13144</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-eIF2B epsilon Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

#### Anti-eIF2B epsilon Rabbit Monoclonal Antibody - Additional Information

**Gene ID** 8893

#### Other Names

Translation initiation factor eIF2B subunit epsilon, eIF2B GDP-GTP exchange factor subunit epsilon, EIF2B5, EIF2BE

#### Calculated MW

80 kDa KDa

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human eIF2B epsilon

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-eIF2B epsilon Rabbit Monoclonal 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

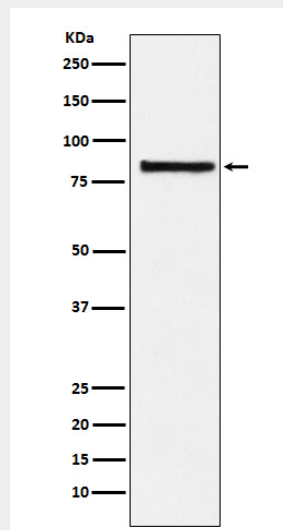
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56287}

## Anti-eIF2B epsilon Rabbit Monoclonal 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](#)

## Anti-eIF2B epsilon Rabbit Monoclonal Antibody - Images



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