

Anti-EIF2B4 Antibody
Catalog # AP53894**Specification**

Anti-EIF2B4 Antibody - Product Information

Application	WB
Primary Accession	Q9UI10
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57557

Anti-EIF2B4 Antibody - Additional Information**Gene ID** 8890**Other Names**

EIF2BD; Translation initiation factor eIF-2B subunit delta; eIF-2B GDP-GTP exchange factor subunit delta

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF2B4. The exact sequence is proprietary.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-EIF2B4 Antibody - Protein Information**Name** EIF2B4**Synonyms** EIF2BD**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:25858979, PubMed:27023709, PubMed: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, PubMed:31048492).

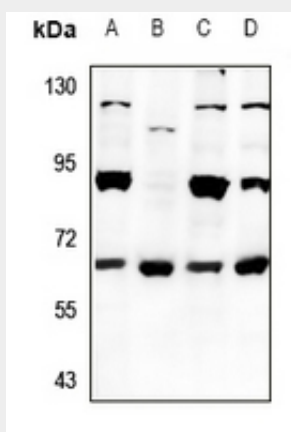
Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q09924}

Anti-EIF2B4 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-EIF2B4 Antibody - Images

Western blot analysis of EIF2B4 expression in HeLa (A), MCF7 (B), PC12 (C), CT26 (D) whole cell lysates.

Anti-EIF2B4 Antibody - Background

Rabbit polyclonal antibody to EIF2B4