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Anti-EIF2B4 Antibody

Catalog # AP53894

Product Information

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

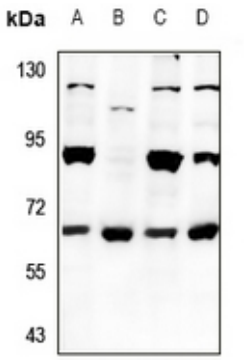
Additional Information

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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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}

Images



Western blot analysis of EIF2B4 expression in Hela (A), MCF7 (B), PC12 (C), CT26 (D) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 60 kD)

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