

KD-Validated Anti-EIF2B3 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2028

Product Information

Application	WB, FC
Primary Accession	Q9NR50
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB8150
Calculated MW	50240
Gene Name	EIF2B3
Aliases	EIF2B3; Eukaryotic Translation Initiation Factor 2B Subunit Gamma; EIF2Bgamma; EIF-2B; Eukaryotic Translation Initiation Factor 2B, Subunit 3 Gamma, 58kDa; Translation Initiation Factor EIF2B Subunit Gamma; EIF2B GDP-GTP Exchange Factor Subunit Gamma; Eukaryotic Translation Initiation Factor 2B, Subunit 3 (Gamma, 58kD); Translation Initiation Factor EIF-2B Subunit Gamma; EIF-2B GDP-GTP Exchange Factor Subunit Gamma; VWM3
Immunogen	Recombinant protein of human EIF2B3

Additional Information

Gene ID	8891
Other Names	Translation initiation factor eIF2B subunit gamma, eIF2B GDP-GTP exchange factor subunit gamma, EIF2B3

Protein Information

Name	EIF2B3
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 (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:P56288}

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