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eIF2By Polyclonal Antibody

Catalog # AP69688

Product Information

Application	WB, E
Primary Accession	Q9NR50
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50240

Additional Information

Gene ID	8891
Other Names	EIF2B3; Translation initiation factor eIF-2B subunit gamma; eIF-2B GDP-GTP exchange factor subunit gamma
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

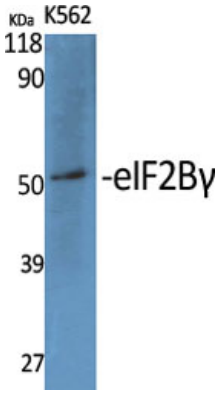
Protein Information

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}

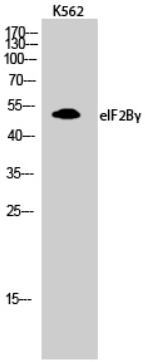
Background

Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.

Images



Western Blot analysis of various cells using eIF2Bγ Polyclonal Antibody diluted at 1：1000



Western Blot analysis of K562 cells using eIF2Bγ Polyclonal Antibody diluted at 1：1000

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