

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°C

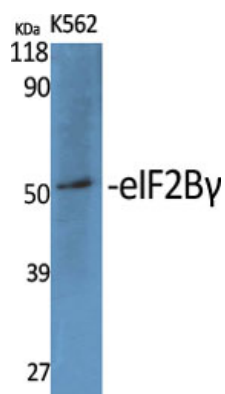
Protein Information

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}

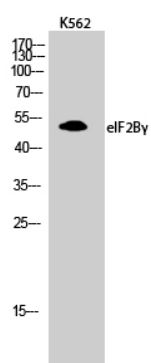
Background

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'.