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Anti-EIF2S2 (pS67) Antibody

Rabbit polyclonal antibody to EIF2S2 (pS67)
Catalog # AP60161

Product Information

Application	WB
Primary Accession	P20042
Other Accession	Q99L45
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38388

Additional Information

Gene ID	8894
Other Names	EIF2B; Eukaryotic translation initiation factor 2 subunit 2; Eukaryotic translation initiation factor 2 subunit beta; eIF-2-beta
Target/Specificity	Recognizes endogenous levels of EIF2S2 (pS67) protein.
Dilution	WB~~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

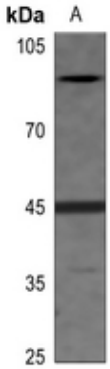
Protein Information

Name	EIF2S2
Synonyms	EIF2B
Function	Component of the eIF2 complex that functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA (PubMed:31836389). This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form the 43S pre-initiation complex (43S PIC). Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF2 and release of an eIF2-GDP binary complex. In order for eIF2 to recycle and catalyze another round of initiation, the GDP bound to eIF2 must exchange with GTP by way of a reaction catalyzed by eIF2B (By similarity).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56329}

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF2S2 (pS67). The exact sequence is proprietary.

Images



Western blot analysis of EIF2S2 (pS67) expression in DLD (A) whole cell lysates.