

EIF2S3L Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18923c

Product Information

Application	WB, E
Primary Accession	Q2VIR3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30528
Calculated MW	51229
Antigen Region	273-299

Additional Information

Gene ID	255308
Other Names	Putative eukaryotic translation initiation factor 2 subunit 3-like protein, Eukaryotic translation initiation factor 2 subunit gamma A, eIF-2-gamma A, eIF-2gA, EIF2S3L
Target/Specificity	This EIF2S3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-299 amino acids from the Central region of human EIF2S3L.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EIF2S3L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EIF2S3B (HGNC:43863)
Function	Member of the eIF2 complex that functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. 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 eIF-2B (By similarity).

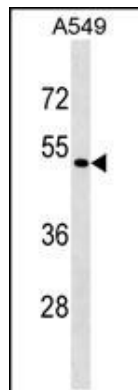
Tissue Location

Specifically expressed in testis at the mRNA level.

Background

eIF-2 functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B (By similarity).

Images



EIF2S3L Antibody (Center) (Cat. #AP18923c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the EIF2S3L antibody detected the EIF2S3L protein (arrow).

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