

Anti-EIF2S2 (pS67) Antibody
Rabbit polyclonal antibody to EIF2S2 (pS67)
Catalog # AP60161

Specification

Anti-EIF2S2 (pS67) Antibody - Product Information

Application	WB
Primary Accession	P20042
Other Accession	O99L45
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38388

Anti-EIF2S2 (pS67) Antibody - 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

Anti-EIF2S2 (pS67) Antibody - 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

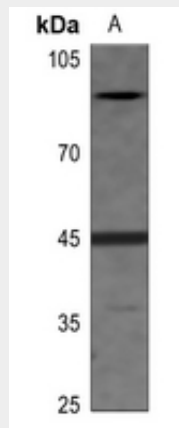
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56329}

Anti-EIF2S2 (pS67) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EIF2S2 (pS67) Antibody - Images



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

Anti-EIF2S2 (pS67) Antibody - Background

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