10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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	Q99L45
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
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF2S2 (pS67). The exact sequence is proprietary.

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).

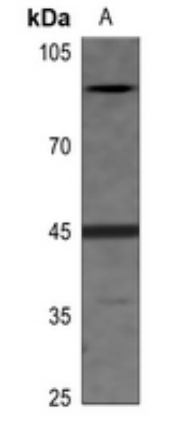
Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56329}

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 Cytomety
- 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.