

**Anti-EIF2S2 Antibody**  
**Rabbit polyclonal antibody to EIF2S2**  
**Catalog # AP60957****Specification**

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**Anti-EIF2S2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P20042</a>
Other Accession	<a href="#">Q99L45</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38388

**Anti-EIF2S2 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 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 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:<a href="http://www.uniprot.org/citations/31836389" target="\_blank">31836389</a>). 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).

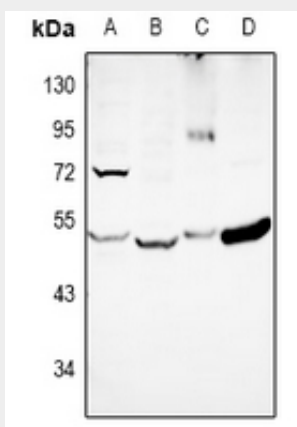
**Cellular Location**

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

**Anti-EIF2S2 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 Antibody - Images**

Western blot analysis of EIF2S2 expression in A549 (A), CT26 (B), C6 (C), HEK293T (D) whole cell lysates.

**Anti-EIF2S2 Antibody - Background**

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