

**EIF2S3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18149b****Specification**

---

**EIF2S3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P41091</a>
Other Accession	<a href="#">Q9Z0N2</a> , <a href="#">P81795</a> , <a href="#">Q9Z0N1</a> , <a href="#">Q5ZMS3</a> , <a href="#">Q2KHU8</a> , <a href="#">Q2VIR3</a> , <a href="#">NP_001406.1</a> , <a href="#">F1QGW6</a> , <a href="#">C9WPN6</a> , <a href="#">P20461</a>
Reactivity	Human
Predicted	Bovine, Chicken, Zebrafish, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51109
Antigen Region	364-391

**EIF2S3 Antibody (C-term) - Additional Information****Gene ID** 1968**Other Names**

Eukaryotic translation initiation factor 2 subunit 3, Eukaryotic translation initiation factor 2 subunit gamma X, eIF-2-gamma X, eIF-2gX, EIF2S3, EIF2G

**Target/Specificity**

This EIF2S3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 364-391 amino acids from the C-terminal region of human EIF2S3.

**Dilution**

WB~~1:1000

**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**

EIF2S3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**EIF2S3 Antibody (C-term) - Protein Information**

**Name** EIF2S3

**Synonyms** EIF2G

**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 (PubMed:[31836389](#)). This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form the 43S pre-initiation complex (43S PIC) (By similarity). 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 (By similarity). 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).

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q09130}

**Tissue Location**

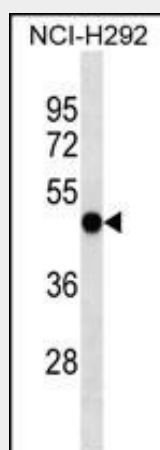
Expressed in testis, brain, liver and muscle.

**EIF2S3 Antibody (C-term) - 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](#)

**EIF2S3 Antibody (C-term) - Images**



EIF2S3 Antibody (C-term) (Cat. #AP18149b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the EIF2S3 antibody detected the EIF2S3 protein (arrow).

**EIF2S3 Antibody (C-term) - Background**

The protein encoded by this gene is the largest subunit of a heterotrimeric GTP-binding protein involved in the recruitment of

methionyl-tRNA(i) to the 40 S ribosomal subunit. [provided by RefSeq].

#### **EIF2S3 Antibody (C-term) - References**

Burkhardt, J., et al. J. Rheumatol. 36(10):2149-2157(2009)  
Tu, L.C., et al. Mol. Cell Proteomics 6(4):575-588(2007)  
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :  
Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)  
Mikami, S., et al. Protein Expr. Purif. 46(2):348-357(2006)