

## Product datasheet for **TA321342S**

### DAP5 (EIF4G2) Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB: 500-2000<br>WB positive control: Hela and HepG2 cells  |
| Reactivity:             | Human, Mouse   |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Synthetic peptide corresponding to a region derived from 796-812 amino acids of Human Eukaryotic translation initiation factor 4 gamma 2 |
| Formulation:            | PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol   |
| Purification:           | Antigen affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 102 kDa  |
| Gene Name:              | eukaryotic translation initiation factor 4 gamma 2   |
| Database Link:          | <a href="#">NP_001409</a><br><a href="#">Entrez Gene 13690 Mouse</a> <a href="#">Entrez Gene 1982 Human</a><br><a href="#">P78344</a>    |



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**Background:**

Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F); which is a cap binding protein complex that consists of three subunits: eIF4A; eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G; in addition; contains a binding site for eIF4E at the N-terminus. Unlike eIF4G; which supports cap-dependent and independent translation; this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

**Synonyms:**

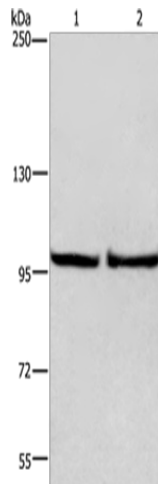
AAG1; DAP5; NAT1; P97

**Protein Families:**

Transcription Factors

**Protein Pathways:**

Viral myocarditis

**Product images:**

Gel: 6%SDS-PAGE

Lysate: 40 µg

Lane 1-2: HeLa cells

HepG2 cells

Primary antibody: [TA321342] (EIF4G2 Antibody)  
at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 1 minute