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# Product datasheet for TA363254

## Eif4g2 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Reactivity:** | Mouse |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | The immunogen is a synthetic peptide directed towards the N terminal region of mouse EIF4G2 |
| **Specificity:** | **Expected reactivity**: Mouse |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **Concentration:** | lot specific |
| **Purification:** | Affinity purified |
| **Conjugation:** | Unconjugated |
| **Storage:** | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | 99 kDa |
| **Gene Name:** | eukaryotic translation initiation factor 4, gamma 2 |
| **Database Link:** | NP_001035221.1<br>Entrez Gene 13690 Mouse<br>Q62448 |

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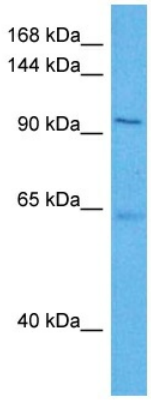
**Background:** Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with 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. Transgene expression of the apolipoprotein B mRNA-editing enzyme (APOBEC-1) causes extensive editing of this mRNA, which could contribute to the potent oncogenesis induced by overexpression of APOBEC-1. In vitro and in vivo studies in human indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. This also appears to be true for mouse. Two alternatively spliced transcript variants that encode different isoforms have been found for this gene.

**Synonyms:** AAG1; DAP-5; DAP5; FLJ41344; NAT1; p97

## Product images:




Host: Rabbit
Target Name: Eif4g2
Sample Type: Mouse Pancreas Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: EIF4G2
Sample Tissue: Mouse Pancreas lysates
Antibody Dilution: 1ug/ml

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