

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. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
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 Entrez Gene 13690 Mouse 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:
