

## Datasheet

### EIF4G2 polyclonal antibody (A01)

**Catalog Number:** H00001982-A01

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse polyclonal antibody raised against a partial recombinant EIF4G2.

**Immunogen:** EIF4G2 (NP\_001409, 811 a.a. ~ 889 a.a) partial recombinant protein with GST tag.

**Sequence:**

SFKPVMQKFLHDHVDLQVSALYALQVHCYNSNFPKG  
MLLRFFVHFYDMEIEEEAFLAWKEDITQEFPGKGKALF  
QVNQ

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** 50 % glycerol

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1982

**Gene Symbol:** EIF4G2

**Gene Alias:** AAG1, DAP5, FLJ41344, NAT1, p97

**Gene Summary:** 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. [provided by RefSeq]