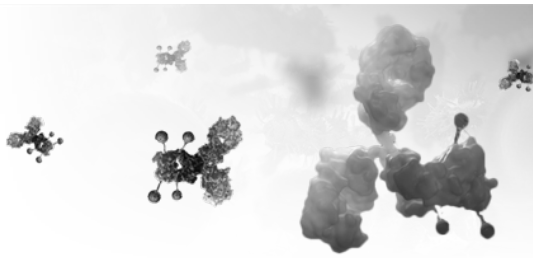

Anti-eIF4G2 (aa 811-889) polyclonal antibody (DPAB-DC840)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	EIF4G2 (NP_001409, 811 a.a. ~ 889 a.a) partial recombinant protein with GST tag. The sequence is SFKPVMQKFLHDHVDLQVSALYALQVHCYNSNFPKGMLLRFFVHFYDMEIIEEEAFLAWK EDITQEFPGKGKALFQVNQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	EIF4G2 eukaryotic translation initiation factor 4 gamma, 2 [Homo sapiens (human)]
Official Symbol	EIF4G2
Synonyms	EIF4G2; eukaryotic translation initiation factor 4 gamma, 2; P97; AAG1; DAP5; NAT1; eukaryotic translation initiation factor 4 gamma 2; DAP-5; eIF4G 2; eIF-4G 2; eIF-4-gamma 2; aging-associated protein 1; death-associated protein 5; eukaryotic translation initiation factor 4G-like 1;
Entrez Gene ID	1982
Protein Refseq	NP_001036024
UniProt ID	P78344
Chromosome Location	11p15
Pathway	Antiviral mechanism by IFN-stimulated genes; Diurnally regulated genes with circadian orthologs; Immune System; RNA transport
Function	poly(A) RNA binding; protein binding; translation factor activity, nucleic acid binding; translation initiation factor activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221