



Anti-eIF4G1 (aa 1500-1599) polyclonal antibody (DPAB-DC839)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP-dependent unwinding of 5-terminal secondary structure is catalyzed by factors in this complex. The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage.
Immunogen	EIF4G1 (NP_886553, 1500 a.a. ~ 1599 a.a) partial recombinant protein with GST tag. The sequence is DVAVLKARAKLLQKYLCDQKELQALYALQALVVTLEQPPNLLRMFFDALYDEDVVKEDA FYSWESSKDPAEQQGKGVALKSVTAFFKWLREAEESDHN
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.

GENE INFORMATION

Gene Name	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 [Homo sapiens (human)]
Official Symbol	EIF4G1
Synonyms	EIF4G1; eukaryotic translation initiation factor 4 gamma, 1; P220; EIF4F; EIF4G; EIF4GI; PARK18; EIF-4G1; eukaryotic translation initiation factor 4 gamma 1; EIF4-gamma; eIF-4-gamma 1; eucaryotic translation initiation factor 4G;
Entrez Gene ID	1981
Protein Refseq	NP_001181875
UniProt ID	B2RU06
Chromosome Location	3q27.1
Pathway	AUF1 (hnRNP D0) destabilizes mRNA; Antiviral mechanism by IFN-stimulated genes; Cytokine Signaling in Immune system; Deadenylation-dependent mRNA decay
Function	poly(A) RNA binding; protein binding; translation factor activity, nucleic acid binding; translation initiation factor activity