



Anti-eIF4E (full length) polyclonal antibody (DPAB-DC836)

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 eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of cellular mRNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the mRNA. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. Three transcript variants encoding different isoforms have been found for this gene.
Immunogen	EIF4E (AAH12611, 1 a.a. ~ 217 a.a) full-length recombinant protein with GST tag. The sequence is MATVEPETTPNPPTTEEEKTESNQEVANPEHYIKHPLQNRWALWFFKNDKSKTWQANL RLISKFDTVEDFWALYNHIQLSSNLMPGCDYSLFKDGIEMWEDEKNKRGGRWLITLNKQ QRRSDLNRFWLETLLCLIGESFDDYSDDVCGAVVNVRAKGDKIAIWTTECENREAVTHIG RVYKERLGLPPKIVIGYQSHADTATKSGSTTKNRFVV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	EIF4E eukaryotic translation initiation factor 4E [Homo sapiens (human)]
Official Symbol	EIF4E
Synonyms	EIF4E; eukaryotic translation initiation factor 4E; CBP; EIF4F; AUTS19; EIF4E1; EIF4EL1; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; eukaryotic translation initiation factor 4E-like 1;
Entrez Gene ID	1977
Protein Refseq	NP_001124150
UniProt ID	P06730
Chromosome Location	4q21-q25
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S; Antiviral mechanism by IFN-stimulated genes; Cap-dependent Translation Initiation; Deadenylation of mRNA
Function	RNA cap binding; eukaryotic initiation factor 4G binding; poly(A) RNA binding; protein binding