



## Anti-eIF4EBP1 (full length) polyclonal antibody (DPAB-DC837)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5 end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.
<b>Immunogen</b>	EIF4EBP1 (AAH04459, 1 a.a. ~ 118 a.a) full-length recombinant protein with GST tag. The sequence is  MSGGSSCSQTPSRAIPATRRVVLGDGVQLPPGDYSTTPGGTLFSTTPGGTRIYDRKFLM ECRNSPVTKTPPRDLPTIPGVTSPSSDEPPMEASQSHLRNSPEDKRAGGEESQFEMDI
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	EIF4EBP1
<b>Synonyms</b>	EIF4EBP1; eukaryotic translation initiation factor 4E binding protein 1; BP-1; 4EBP1; 4E-BP1; PHAS-I; eukaryotic translation initiation factor 4E-binding protein 1; eIF4E-binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1;
<b>Entrez Gene ID</b>	<a href="#">1978</a>
<b>Protein Refseq</b>	<a href="#">NP_004086</a>
<b>UniProt ID</b>	<a href="#">Q13541</a>
<b>Chromosome Location</b>	8p12
<b>Pathway</b>	AMPK signaling; AMPK signaling pathway; Acute myeloid leukemia; Alpha6-Beta4 Integrin Signaling Pathway
<b>Function</b>	eukaryotic initiation factor 4E binding; protein binding; translation repressor activity;