



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

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	EIF4EBP1 (AAH04459, 1 a.a. ~ 118 a.a) full-length recombinant protein with GST tag. The sequence is MSGGSSCSQTPSRAIPATRRVVLGDGVQLPPGDYSTTPGGTLFSTTPGGTRIYDRKFLM ECRNSPVTKTTPRDLPTIPGVTSPSSDEPPMEASQSHLRNSPEDKRAGGEESQFEMDI
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	EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1 [Homo sapiens (human)]
Official Symbol	EIF4EBP1
Synonyms	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;
Entrez Gene ID	1978
Protein Refseq	NP_004086
UniProt ID	Q13541
Chromosome Location	8p12
Pathway	AMPK signaling; AMPK signaling pathway; Acute myeloid leukemia; Alpha6-Beta4 Integrin Signaling Pathway
Function	eukaryotic initiation factor 4E binding; protein binding; translation repressor activity;