

Product datasheet for **TA302037S**

EIF4EBP1 Rabbit Polyclonal Antibody

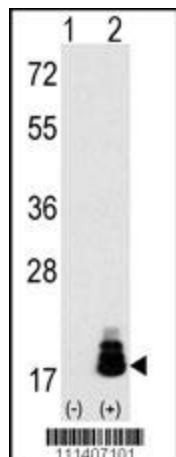
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:10~50
Reactivity:	Human (Predicted: Bovine)
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This EIF4EBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-77 amino acids from human EIF4EBP1.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	12449 Da
Gene Name:	eukaryotic translation initiation factor 4E binding protein 1
Database Link:	NP_004086 Entrez Gene 1978 Human Q13541
Background:	EIF4EBP1 is one member of a family of translation repressor proteins. It 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.
Synonyms:	4E-BP1; 4EBP1; BP-1; PHAS-I
Protein Pathways:	Acute myeloid leukemia, ErbB signaling pathway, Insulin signaling pathway, mTOR signaling pathway

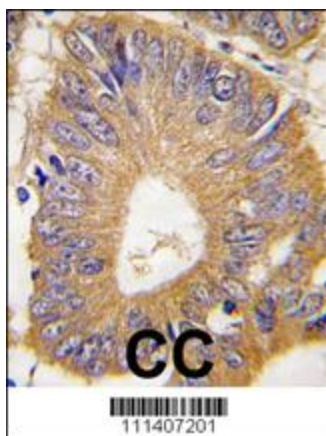


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Product images:



Western blot analysis of EIF4EBP1 (arrow) using rabbit polyclonal EIF4EBP1 Antibody (T69) (RB11407). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EIF4EBP1 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with EIF4EBP1 Antibody (T69) (Cat.#[TA302037]), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.