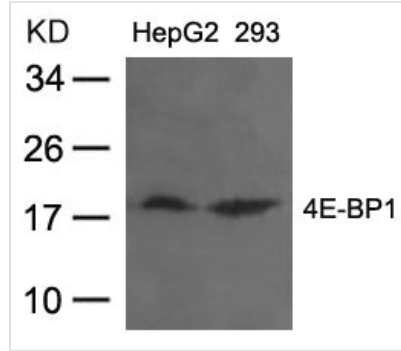


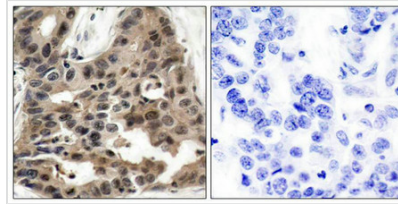


# EIF4EBP1 (Ab-36) Antibody

<b>Product Code</b>	CSB-PA118316
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q13541
<b>Immunogen</b>	Peptide sequence around aa.34~38 (S-T-T-P-G) derived from Human 4E-BP1.
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human,Mouse,Rat
<b>Specificity</b>	The antibody detects endogenous level of total 4E-BP1 protein.
<b>Tested Applications</b>	ELISA,WB,IHC;WB:1:500-1:1000,IHC:1:50-1:200
<b>Relevance</b>	<p>4E-BP1 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.</p> <p>Gingras AC, et al. Genes Dev Nov. 2005 Feb 15. Mothe-Satney I, et al.(2000) J Biol Chem:15(21): 2852-64. Gingras AC, et al. (1999) Genes Dev:13(11): 1422-37. Lal L, et al.(2005) Blood;105(4): 1669-7.</p>
<b>Form</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
<b>Clonality</b>	Polyclonal
<b>Alias</b>	EIF4EBP1; PHAS-1;
<b>Product Type</b>	Polyclonal Antibody
<b>Species</b>	Homo sapiens (Human)
<b>Target Names</b>	EIF4EBP1
<b>Image</b>	



Western blot analysis of extracts from HepG2 and 293 cells using 4E-BP1(Ab-36) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 4E-BP1(Ab-36) Antibody(left) or the same antibody preincubated with blocking peptide(right).