

Datasheet for ABIN388707

anti-eIF4EBP1 antibody (AA 48-77)



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2 Images

Overview

Quantity:	400 µL
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	AA 48-77
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EIF4EBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-77 amino acids from human EIF4EBP1.
Clone:	RB11407
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	EIF4EBP1 (EIF4EBP1 Products)

Target Details

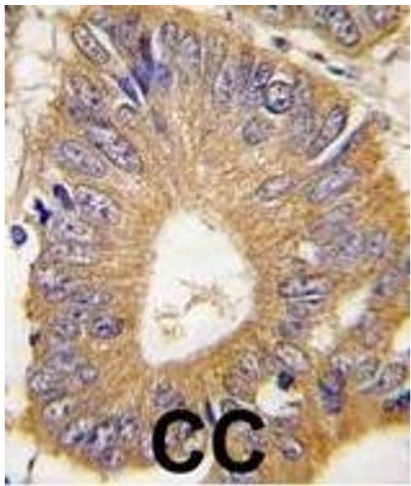
Background:	EIF4EBP1 is one member of a family of translation repressor proteins. It directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this 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.
Molecular Weight:	12580
Gene ID:	1978
NCBI Accession:	NP_004086
UniProt:	Q13541
Pathways:	MAPK Signaling , PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Cell Size , BCR Signaling

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

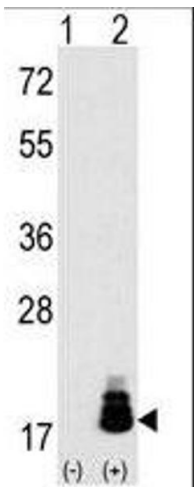
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with EIF4EBP1 Antibody (T69) (ABIN388707 and ABIN2838802) , 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.



Western Blotting

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