

Datasheet for ABIN2464007

anti-eIF4EBP1 antibody (truncated)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	truncated
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Ni-NTA purified truncated recombinant 4EBP1 expressed in E. Coli strain BL21 (DE3).
Clone:	11G12C11
Isotype:	IgG1
Purification:	Antibody is purified by protein A affinity chromatography.

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	4E-BP1 (EIF4EBP1 Products)
Background:	4E-BP1(eukaryotic translation Initiation Factor 4E Binding Protein 1),also called EIF4EBP1/BP-1/PHAS-I ,which is located on chromosome 8p12, with 118-amino acid protein (about 13 kDa).

Target Details

Binding of eIF4EBP1 to eIF4E is reversible and is dependent on the phosphorylation status of eIF4EBP1. Non phosphorylated eIF4EBP1 will bind strongly to eIF4E while(24 kDa), the phosphorylated form will not. Akt, TOR, MAP kinase, S6 kinase, and Cdc2 are known kinases capable of inactivating eIF4EBP1 binding to eIF4E by phosphorylating either threonines 35, 45, 69 or serine 64. Although, not all phosphorylation events equally block the eIF4EBP1-eIF4E interaction.

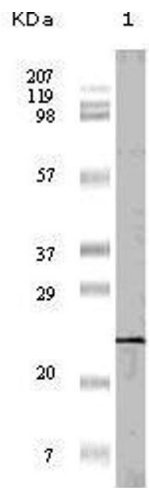
Gene ID:	1978
UniProt:	Q13541
Pathways:	MAPK Signaling , PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Regulation of Cell Size , BCR Signaling

Application Details

Application Notes:	IHC:1:500 - 1:1,000 ELISA:Propose dilution 1:10,000. Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

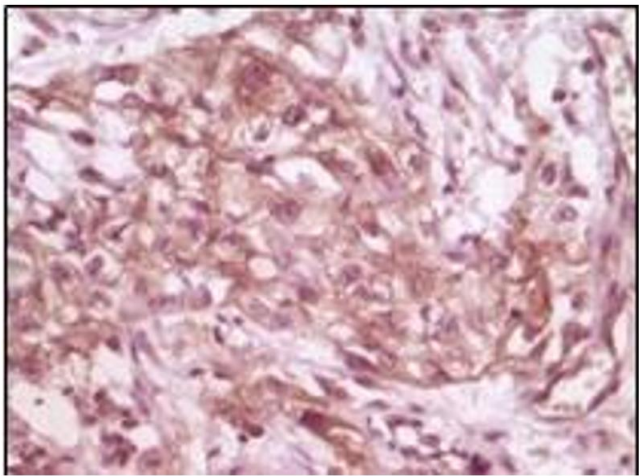
Handling

Buffer:	Purified antibody in PBS containing 0.03 % 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.
Handling Advice:	As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Storage:	-20 °C
Storage Comment:	4E-BP1 monoclonal antibody can be stored at -20 °C, stable for one year.



Western Blotting

Image 1.



Immunohistochemistry

Image 2.