

Datasheet for ABIN7384405 **anti-eIF4EBP1 antibody**

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Overview

Quantity:	50 µL
Target:	eIF4EBP1 (EIF4EBP1)
Reactivity:	Human, Mouse, Rat, Hamster
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Clone:	R06-8E6
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	4E BP1 (EIF4EBP1 Products)
Background:	4E-BP1,4EBP1,4EBP1,BP 1,eIF4E binding protein 1,eIF4E-binding protein 1,Eif4ebp1,Eukaryotic translation initiation factor 4E-binding protein 1,PHAS-I,PHASI,Phosphorylated heat- and acid-stable protein regulated by insulin 1,Eukaryotic translation initiation factor 4E-binding protein 1(4EBP1),is a member of 4EBPs family,which regulate the translation of a subset of mRNA by competing with eIF4G for binding to eIF4E,thus preventing the assembly of the eIF4F complex.

Target Details

	The eIF4F facilitates the recruitment of other translation initiation factors to form the complex and then initiates cap-dependent translation.4EBP1 also mediates the regulation of protein translation by growth factors,hormones and other stimuli that signal through the MAP kinase and mTORC1 pathways. There are three forms of 4EBP1,alpha,beta and gamma.
Molecular Weight:	Observed_MW: 15/20kDa Calculated_MW: 13kDa
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:	WB 1:500-1:1000 IHC 1:50-1:100
Restrictions:	For Research Use only

Handling

Concentration:	300 µg/mL
Buffer:	50 mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40 % Glycerol, 0.01 % Sodium azide and 0.05 % BSA
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.