

Datasheet for ABIN7152194

anti-eIF4EBP1 antibody (AA 2-111) (Biotin)



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Overview

Quantity:	100 µg
Target:	eIF4EBP1 (EIF4EBP1)
Binding Specificity:	AA 2-111
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eIF4EBP1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Eukaryotic translation initiation factor 4E-binding protein 1 protein (2-111AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	EIF4EBP1 (EIF4EBP1 Products)
Background:	Background: Repressor of translation initiation that regulates EIF4E activity by preventing its

Target Details

assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.

Aliases: 4E-BP1 antibody, 4EBP1 antibody, 4EBP1_HUMAN antibody, BP 1 antibody, eIF4E binding protein 1 antibody, eIF4E-binding protein 1 antibody, Eif4ebp1 antibody, Eukaryotic translation initiation factor 4E-binding protein 1 antibody, PHAS-I antibody, PHASI antibody, Phosphorylated heat- and acid-stable protein regulated by insulin 1 antibody

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

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.