

Rabbit anti-Human eIF4EBP1-T70 Monoclonal Antibody | anti-EIF4EBP1 antibody

Phospho-eIF4EBP1-T70 Rabbit mAb

CATALOG # AAA283141	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

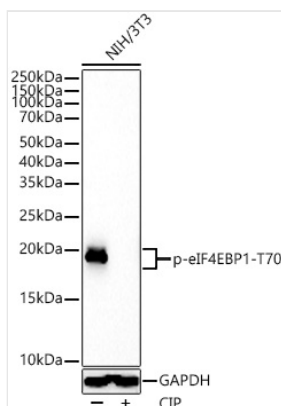
PRODUCT SYNONYMS

eIF4EBP1-T70; Monoclonal Antibody; Phospho-eIF4EBP1-T70 Rabbit mAb; BP-1; 4EBP1; 4E-BP1; PHAS-I; Phospho-eIF4EBP1-T70; anti-EIF4EBP1 antibody

PRODUCT SPECIFICATIONS

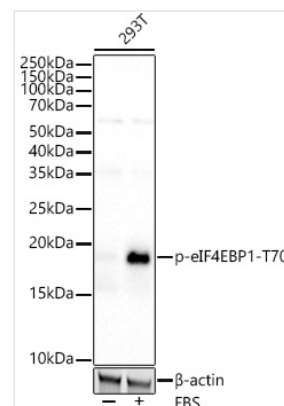
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	TKTPPR
Applicable Applications for anti-EIF4EBP1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic phosphorylated peptide around T70 of human eIF4EBP1 (NP_004086.1).
Modification	Phospho T70
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from NIH/3T3 cells, using Phospho-eIF4EBP1-T70 Rabbit mAb (AAA283141) at 1:2000 dilution. NIH/3T3 cells were treated by CIP(20uL/400ul) at 37° for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of various lysates using Phospho-eIF4EBP1-T70 Rabbit mAb (AAA283141) at 1:2000 dilution. 293T cells were treated by 10% FBS at 37° for 30 minutes after serum-starvation overnight. NIH/3T3 cells were treated by CIP(20uL/400ul) at 37° for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4EBP1 antibody	This gene 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.
Product Categories/Family for anti-EIF4EBP1 antibody	Epigenetics Nuclear Signaling; Translation Control; Regulation of eIF4 and p70 S6 Kinase; Protein phosphorylation; Signal Transduction; PI3K-Akt Signaling Pathway; mTOR Signaling Pathway; Endocrine Metabolism; AMPK Signaling Pathway; Insulin Receptor Sign

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758258
NCBI GeneID	1978
NCBI Accession #	NP_004086.1
NCBI GenBank Nucleotide #	NM_004095.3
UniProt Accession #	Q13541; Q6IBN3; B2R502; D3DSW8
Molecular Weight	Calculated MW: 13kDa Observed MW: 15-20kDa
UniProt Protein Name	Eukaryotic translation initiation factor 4E-binding protein 1
UniProt Gene Name	EIF4EBP1
UniProt Synonym Gene Names	4E-BP1; eIF4E-binding protein 1; PHAS-I
UniProt Entry Name	4EBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/eif4ebp1-t70-antibody-western-blot-elisa/283141>