

Rabbit 4E BP1 Monoclonal Antibody | anti-4EBP1 antibody

Recombinant 4E BP1 Monoclonal Antibody

CATALOG # AAA178828	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Hamster	APPLICATIONS Immunohistochemistry, Western Blot
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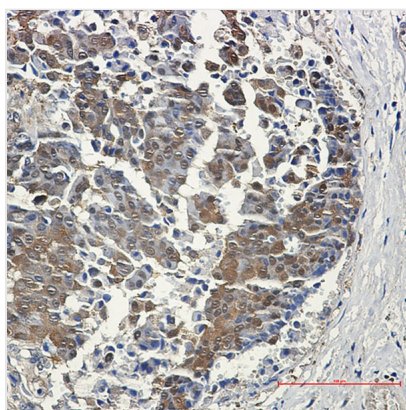
PRODUCT SYNONYMS

4E BP1; Monoclonal Antibody; Recombinant 4E BP1 Monoclonal Antibody; 4E-BP1; 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; anti-4EBP1 antibody

PRODUCT SPECIFICATIONS

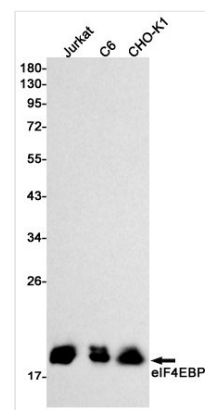
Host	Rabbit
Reactivity	Human, Mouse, Rat, Hamster
Clonality	Monoclonal
Isotype	IgG
Clone Number	R06-8E6
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-4EBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human eIF4EBP1
Research Area	Cancer, Epigenetics and Nuclear Signaling, Metabolism
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of eIF4EBP1 in paraffin-embedded Human breast cancer tissue using eIF4EBP1 Rabbit mAb at dilution 1:50



WB (Western Blot)

Western blot detection of eIF4EBP1 in Jurkat, C6, CHO-K1 cell lysates using eIF4EBP1 Rabbit mAb (1:1000 diluted). Predicted band size: 13kDa. Observed band size: 15-20kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-4EBP1 antibody	Eukaryotic translation initiation factor 4E-binding protein 1(4EBP1),is 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. 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.
Product Categories/Family for anti-4EBP1 antibody	Antibodies ; Primary Antibodies ; Recombinant Antibody

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	12,580 Da
NCBI Official Full Name	eukaryotic translation initiation factor 4E-binding protein 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4E binding protein 1
NCBI Official Symbol	EIF4EBP1
NCBI Official Synonym Symbols	BP-1; 4EBP1; 4E-BP1; PHAS-I
NCBI Protein Information	eukaryotic translation initiation factor 4E-binding protein 1; eIF4E-binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/4e-bp1-antibody-clone-r06-8e6-immunohistochemistry-western-blot-elisa/178828>