

4E BP1 Monoclonal Antibody | anti-4EBP1 antibody

4E BP1 Rabbit mAb

CATALOG # AAA314351	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S06-8E6
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-4EBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human eIF4EBP1
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. 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	Repressor of translation initiation that regulates EIF4E activity by preventing its 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.
Product Categories/Family for anti-4EBP1 antibody	Primary 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/4e-bp1-antibody-clone-s06-8e6-immunohistochemistry-western-blot-elisa/314351>