

Rabbit anti-Human 4EBP1 Polyclonal Antibody | anti-4EBP1 antibody

Rabbit anti-4EBP1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210986	Rabbit	Human	Immunohistochemistry, Western Blot

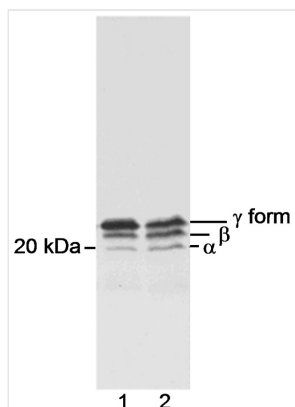
PRODUCT SYNONYMS

4EBP1; Polyclonal Antibody; Rabbit anti-4EBP1 Antibody; Affinity Purified; 4E-BP1; BP-1; eIF4E-binding protein 1; eukaryotic translation initiation factor 4E-binding protein 1; PHAS-I; phosphorylated heat- and acid-stable protein regulated by insulin 1; Eukaryotic translation initiation factor 4E-binding protein 1; eukaryotic translation initiation factor 4E binding protein 1; anti-4EBP1 antibody

PRODUCT SPECIFICATIONS

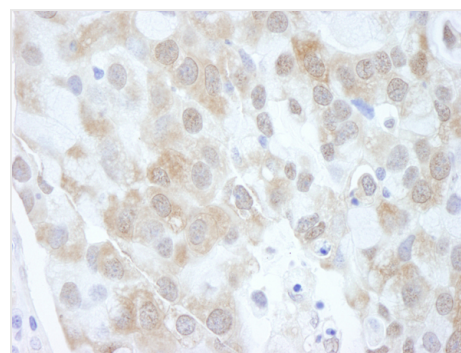
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-4EBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	Mouse, Rat
Immunogen	Between 68 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of 4EBP1 by western blot. Samples: Whole cell lysate (100 ug) from R1Nm5F insulinoma exposed to high or low concentration of leucine. Antibody: Affinity purified rabbit anti-4EBP1 (Cat. No. AAA210986) used at 0.25 ug/ml. Detection: Chemiluminescence.



IHC (Immunohistochemistry)

Detection of human 4EBP1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-4EBP1 (Cat. No. AAA210986) used at a dilution of 1:20,000 (0.05ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-4EBP1 antibody	Eukaryotic translation initiation factor 4E-binding protein 1 (4EBP1) binds directly to eIF4E to inhibit complex assembly for translation initiation. 4EBP1 is part of a family of translation repressor proteins. 4EBP1 is directly phosphorylated by the mTORC1 complex during growth factor stimulation of cells. Phosphorylation of 4EBP1 causes its release from eIF4E to allow translation to proceed.
Product Categories/Family for anti-4EBP1 antibody	Primary Antibodies

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://www.aaabiotech.com/polyclonal/4ebp1-antibody-immunohistochemistry-western-blot-elisa/210986>