

Rabbit 4E-BP1 Polyclonal Antibody | anti-4E-BP1 antibody

4E-BP1 antibody

CATALOG # AAA224943	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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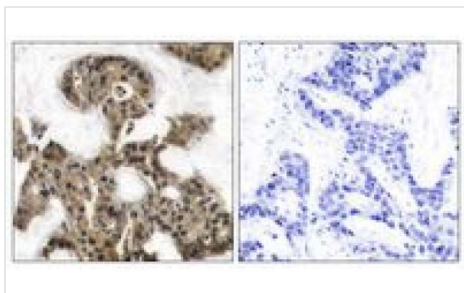
PRODUCT SYNONYMS

4E-BP1; Polyclonal Antibody; 4E-BP1 antibody; Rabbit polyclonal 4E-BP1 antibody; Polyclonal 4E-BP1 antibody; Anti-4E-BP1 antibody; Eukaryotic translation initiation factor 4E-binding protein 1 antibody; Ab 45 antibody; E-BP1 4; E-BP1-4 antibody; E-BP1 4 antibody; E-BP1-4; anti-4E-BP1 antibody

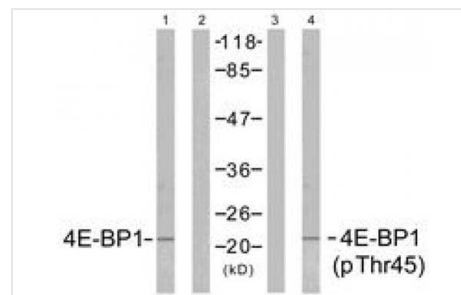
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Purified by immunoaffinity chromatography.
Form/Format	Liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	118
Applicable Applications for anti-4E-BP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	4E-BP1 antibody was raised in Rabbit using the peptide sequence around aa 43~47 (S-T-T-P-G) derived from Human 4E-BP1 as the immunogen.
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

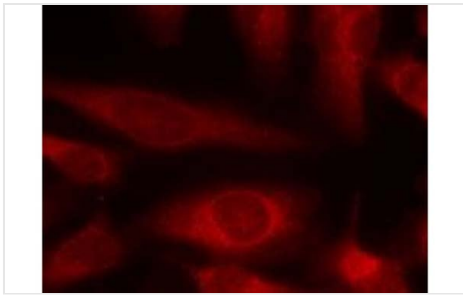
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 4E-BP1 antibody (left) or the same antibody preincubated with blocking peptide (right)


WB (Western Blot)

Western Blot analysis of extracts from 293 and HepG2 cells using 4E-BP1 antibody



IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using 4E-BP1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-4E-BP1 antibody	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-4E-BP1 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	343469206
NCBI GeneID	100861234
Molecular Weight	12,489 Da
NCBI Official Full Name	4E-BP1
NCBI Official Symbol	EIF4EBP1
NCBI Official Synonym Symbols	4E-BP1
NCBI Protein Information	eukaryotic translation initiation factor 4E-binding protein 1
UniProt Protein Name	4E-BP1
UniProt Gene Name	4E-BP1

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/4e-bp1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/224943>