

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

4E-BP1 (Phospho-Thr36) Antibody

CATALOG # AAA111202	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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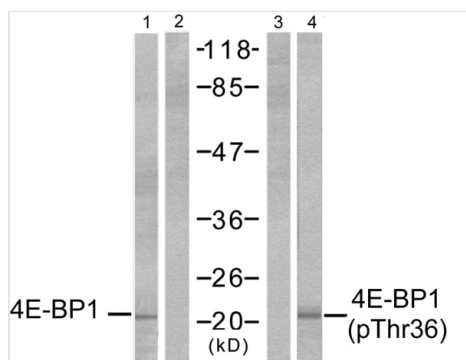
PRODUCT SYNONYMS

4E-BP1; 4E-BP1 (Phospho-Thr36) Antibody; eIF4E-binding protein 1; Phosphorylated heat-and acid-stable protein regulated by insulin 1; PHAS-I; anti-4E-BP1 antibody

PRODUCT SPECIFICATIONS

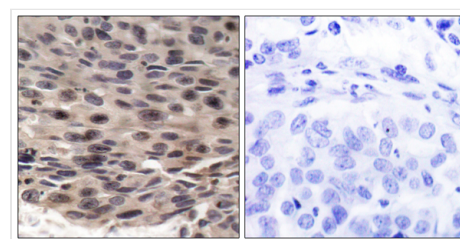
Reactivity	Human, Mouse, Rat
Specificity	4E-BP1 (phospho-Thr36)) antibody detects endogenous levels of 4E-BP1 only when phosphorylated at threonine 36. This antibody may cross-react with 4E-BP2 and 4E-BP3 when phosphorylated at equivalent sites.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	118
Applicable Applications for anti-4E-BP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human 4E-BP1 around the phosphorylation site of threonine 36 (S-T-TP-P-G).
All Sites	Human: Thr36 or Thr37 Mouse: Thr35 Rat: Thr35
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from MDA-MB-435 cells, untreated or EGF-treated (200 ng/ml, 30min), using 4E-BP1 (Ab-36) antibody and 4E-BP1 (phospho-Thr36) antibody.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHRL1 (phospho-Ser253) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-4E-BP1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Gingras AC, et al. Genes Dev Nov. 2005 Feb 15. Mothe-Satney I, et al.(2000) J Biol Chem:15(21): 2852-64. Gingras AC, et al.(1999) Genes Dev:13(11): 1422-37. Lal L, et al.(2005) Blood; 105(4): 1669-7.

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
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

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/human-mouse-rat-antibody/4e-bp1/111202>