

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

4E-BP1 (Ab-64) Antibody

CATALOG # AAA306497	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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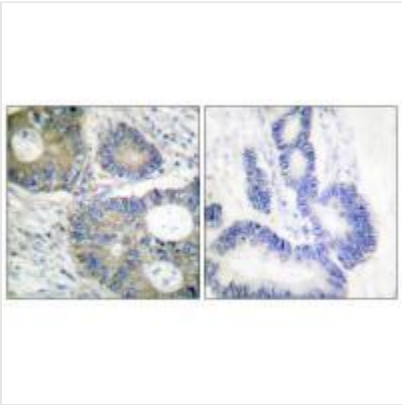
PRODUCT SYNONYMS

4E-BP1; Polyclonal Antibody; 4E-BP1 (Ab-64) Antibody; 4EBP1; EIF4EBP1; P/OKCL6; PHAS-1; anti-4E-BP1 antibody

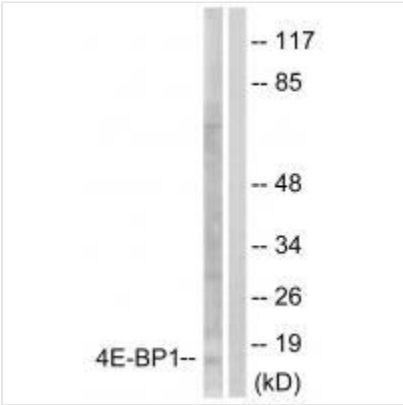
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total 4E-BP1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	118
Applicable Applications for anti-4E-BP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human 4E-BP1 around the phosphorylation site of serine 65 (R-N-S(p)-P-V).
Target Name	4E-BP1
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using 4E-BP1 (Ab-64) antibody.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, treated with Insulin (0.01U/ml, 15mins), using 4E-BP1 (Ab-64) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-4E-BP1 antibody	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. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways. Anne-Claude Gingras, Genes & Dev., Jun 1999; 13: 1422. Guangming Liu, J. Biol. Chem., Mar 2002; 277: 8810 - 8816. Ya-Ping Jiang, J. Biol. Chem., Mar 2001; 276: 10943 - 10951.
Product Categories/Family for anti-4E-BP1 antibody	Total protein Ab

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
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.

