

Rabbit anti-Mouse, Rat 4EBP1 Polyclonal Antibody | anti-4EBP1 antibody

4EBP1 Antibody (Thr45)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA226092	Rabbit	Mouse, Rat	Immunohistochemistry, Western Blot

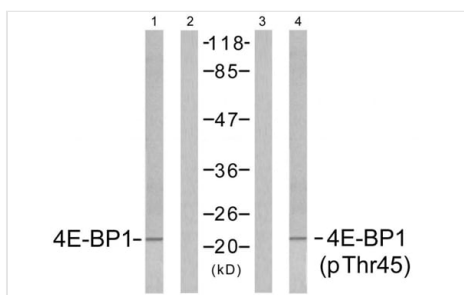
PRODUCT SYNONYMS

4EBP1; Polyclonal Antibody; 4EBP1 Antibody (Thr45); Rabbit Polyclonal 4EBP1 Antibody (Thr45); Polyclonal 4EBP1 antibody; Anti-4EBP1 antibody; 4EBP1 antibody; EIF4EBP1 antibody; Eukaryotic translation initiation factor 4E binding protein 1 antibody; Insulin-stimulated EIF-4E binding protein PHAS-I antibody; P/OKCL6 antibody; PHAS-1 antibody; PHAS-I antibody; anti-4EBP1 antibody

PRODUCT SPECIFICATIONS

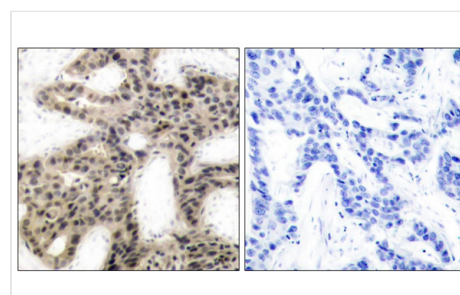
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	4EBP1 antibody (Thr45) detects endogenous levels of 4EBP1 only when phosphorylated at threonine 45. The antibody will detect species specific phosphorylation as follows: Human: Thr45 or Thr46, Mouse: Thr44, Rat: Thr44
Purity/Purification	Affinity Chromatography
Form/Format	Supplied in PBS buffer (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	129
Applicable Applications for anti-4EBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	4EBP1 antibody was raised in Rabbit using a synthesized phosphopeptide derived from human 4EBP1 around the phosphorylation site of threonine 45 (S-T-TP-P-G) as the immunogen.
Cross-Reactivity	Mouse, Rat. This antibody may cross-react with 4E-BP2 and 4E-BP3 when phosphorylated at equivalent sites.
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from MDA435 cells untreated or treated with EGF (200nm, 5min), using 4E-BP1 antibody and 4EBP1 antibody (Thr45) (Lanes 3 and 4)



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 4EBP1 antibody (Thr45)

ADDITIONAL INFORMATION

Related Product Information for anti-4EBP1 antibody	4EBP1 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-4EBP1 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	958985858
NCBI Official Full Name	4EBP1, partial

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/polyclonal/4ebp1-antibody-immunohistochemistry-western-blot-elisa/226092>