

Mouse 4EBP1 Monoclonal Antibody | anti-4EBP1 antibody

4EBP1 antibody

CATALOG # AAA74680	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

4EBP1; Monoclonal Antibody; 4EBP1 antibody; Monoclonal 4EBP1; Anti-4EBP1; 4EBP-1; Eukaryotic translation initiation factor 4E-binding protein 1; MGC4316; 4E BP1; 4EBP 1; BP-1; 4E-BP1; anti-4EBP1 antibody

PRODUCT SPECIFICATIONS

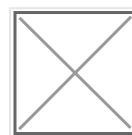
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4B6G10
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-4EBP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Biological Significance	4EBP1 which is located on chromosome 8p12, with 118-amino acid protein (about 13kDa). Binding of eIF4EBP1 to eIF4E is reversible and is dependent on the phosphorylation status of eIF4EBP1. Non phosphorylated eIF4EBP1 will bind strongly to eIF4E while the phosphorylated form will not. Akt, TOR, MAP kinase, S6 kinase, and Cdc2 are known kinases capable of inactivating eIF4EBP1 binding to eIF4E by phosphorylating either threonines 35, 45, 69 or serine 64. 4EBP1 functions as a translation repressor.
Cross-Reactivity	Human
Immunogen	4EBP1 antibody was raised in Mouse using a purified recombinant fragment of 4E-BP1 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human pancreas carcinoma(A), esophagus carcinoma tissue(B) and ovary tumor tissue(C), showing cytoplasmic and membrane localization using 4E-BP1 antibody with DAB staining.



WB (Western Blot)

Western Blot showing 4E-BP1 antibody used against truncated 4E-BP1 recombinant protein (1) and A431 cell lysate (2).

ADDITIONAL INFORMATION

Related Product Information for anti-4EBP1 antibody	Mouse monoclonal 4EBP1 antibody
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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/monoclonal/4ebp1-antibody-clone-4b6g10-western-blot-immunohistochemistry-elisa/74680>