

EIF4EBP3 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52866

Product Information

Application	WB
Primary Accession	O60516
Reactivity	Transfected
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	10873

Additional Information

Gene ID	8637
Other Names	4E BP3; 4E-BP3; 4EBP3; eIF4E binding protein 3; Eukaryotic initiation factor 4E binding protein 3; Eukaryotic translation initiation factor 4E binding protein 3; OTTHUMP00000159879.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	EIF4EBP3
Function	Repressor of translation initiation that regulates EIF4E activity by preventing its assembly into the eIF4F complex: the hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repression of translation. In contrast, the hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation (By similarity). Inhibits EIF4E-mediated mRNA nuclear export (PubMed: 22684010).
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Expression is highest in skeletal muscle, heart, kidney, and pancreas, whereas there is very little expression in brain and thymus.

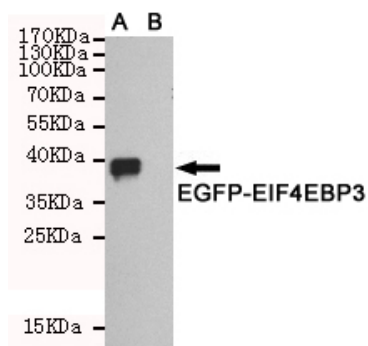
Background

Regulates eIF4E activity by preventing its assembly into the eIF4F complex.

References

Poulin F.,et al.J. Biol. Chem. 273:14002-14007(1998).

Images



Western blot detection of EIF4EBP3 in CHO-K1 cell lysate(B)and CHO-K1 transfected by EGFP-EIF4EBP3 fragment(A)cell lysate using EIF4EBP3 mouse mAb (1:1000 diluted).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.