

EIF4EBP3 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52866**Specification**

EIF4EBP3 Antibody - Product Information

Application	WB
Primary Accession	O60516
Reactivity	Transfected
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	11 KDa

EIF4EBP3 Antibody - 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

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

EIF4EBP3 Antibody - 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

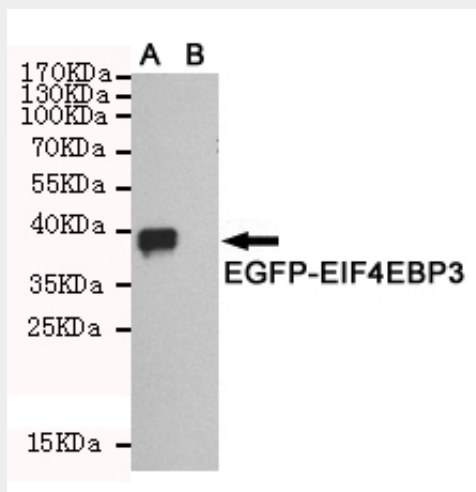
Expression is highest in skeletal muscle, heart, kidney, and pancreas, whereas there is very little expression in brain and thymus.

EIF4EBP3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EIF4EBP3 Antibody - 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).

EIF4EBP3 Antibody - Background

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

EIF4EBP3 Antibody - References

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