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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

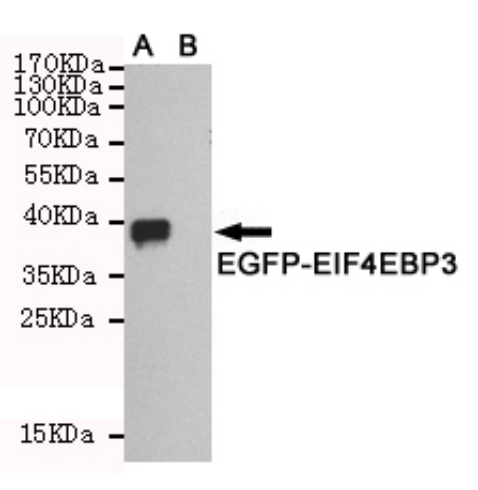
Expression is highest in skeletal muscle, heart, kidney, and pancreas, whereas there is very little expression in brain and thymus.

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 Cytomety
- 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).