10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84)

Rabbit Anti Mouse Polyclonal Antibody
Catalog # ALS18068

Product Information

Application	WB, IHC-P, E
Primary Accession	Q13541
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	12580

Additional Information

Gene ID	1978
Alias Symbol	EIF4EBP1
Other Names	EIF4EBP1, 4E-BP1, 4EBP1, BP-1, PHAS-I, EIF4E-binding protein 1
Target/Specificity	4E-BP1 Antibody detects endogenous levels of total 4E-BP1 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EIF4EBP1
Function	Repressor of translation initiation that regulates EIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.
Cellular Location	Cytoplasm. Nucleus. Note=Localization to the nucleus is unaffected by phosphorylation status. {ECO:0000250|UniProtKB:Q60876}

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