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[Primary Antibody]

Recombinant Rabbit Anti-eIF4EBP1 (p-T70) Monoclonal Antibody

Catalog Number: SLA3062M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	6G2
GeneID:	1978
SWISS:	Q13541
Target:	eIF4EBP1 (p-T70)
Immunogen:	A synthesized peptide derived from human 4E BP1 around the phosphorylation site of T70
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:1000-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	13 kDa
Background:	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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.