

Product datasheet for **SP2149P**

EIF4EBP1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 2.5 - 5.0 µg/ml; this antibody detects a band of approximately 20kDa in mouse 3T3 cell lysates (predicted Mwt. 13kDa).
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A 14 amino acid peptide located near human 4EBP1 carboxy-terminus
Specificity:	This antibody recognises an epitope within the C-terminal region (CT) of eukaryotic translation initiation factor 4E binding protein 1 (4EBP1), a rapamycin-sensitive downstream target of TOR (Target of rapamycin), and regulatory factor of eukaryotic mRNA translation. The association between 4EBP1 and eukaryotic translation initiation factor 4E (eIF-4E) inhibits the binding of eIF-4E with p220, thereby preventing the formation of a functional eIF-4E complex, essential for mRNA translation. Phosphorylation of 4EBP1 following stimulation by mitogens such as insulin, results in the release of eIF-4E from 4EBP1, thereby enabling the translation complex to assemble.
Formulation:	PBS containing 0.02% Sodium Azide State: Aff - Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	eukaryotic translation initiation factor 4E binding protein 1
Database Link:	Entrez Gene 1978 Human Q13541



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Synonyms: PHAS-I, PHAS-1, PHAS1