

For Research Use Only

Phospho-4EBP1 (Thr37) Recombinant antibody, PBS Only (Capture)

Catalog Number: 81812-4-PBS



Basic Information

Catalog Number: 81812-4-PBS	GenBank Accession Number: BC004459	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1978	CloneNo.: 240535G3
Source: Rabbit	UNIPROT ID: Q13541	
Isotype: IgG	Full Name: eukaryotic translation initiation factor 4E binding protein 1	
	Calculated MW: 118 aa, 12 kDa	
	Observed MW: 15-20 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

4EBP1 (4E-BP1) is a translational regulator and functions by sequestering eukaryotic translation initiation factor 4E (eIF4E) from the translation initiation machinery. 4E-BP1 contains at least six phosphorylation sites (Thr37, Thr46, Ser65, Thr70, Ser83, and Ser112), four of which (Thr37, Thr46, Ser65, and Thr70) are known to be regulated by mTOR signaling. Phosphorylation of Thr37 and Thr46 is thought to prime 4E-BP1 for sequential phosphorylation of Ser65 and Thr70, which results in the dissociation of 4E-BP1 from eIF4E. (PMID: 12747827)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

