9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Phospho-4E BP1 (Thr46) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1815

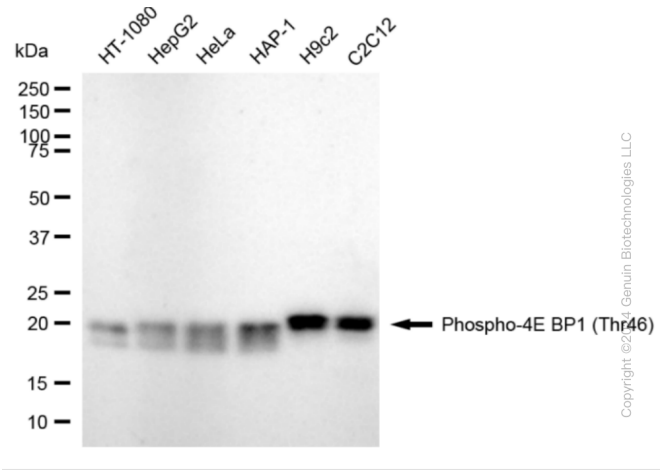
Product Overview

Name	KD-Validated Anti-Phospho-4E BP1 (Thr46) Rabbit Monoclonal Antibody
Accession(Primary)	Q13541
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Phospho-4E BP1 (Thr46)
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 13 kDa, observed, 15-20 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q13541)

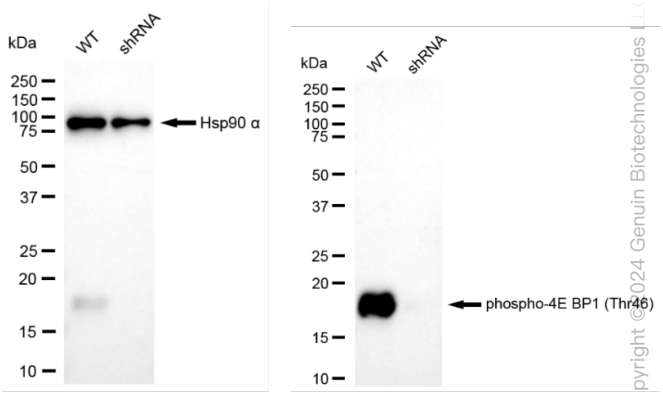
Gene Name	EIF4EBP1
About Gene Symbol	EIF4EBP1 (Eukaryotic Translation Initiation Factor 4E Binding Protein 1) is a protein kinase and signaling regulator involved in mTOR/PI3K/Akt signaling and translational regulation. It is an important research target in cancer, cell signaling, and therap

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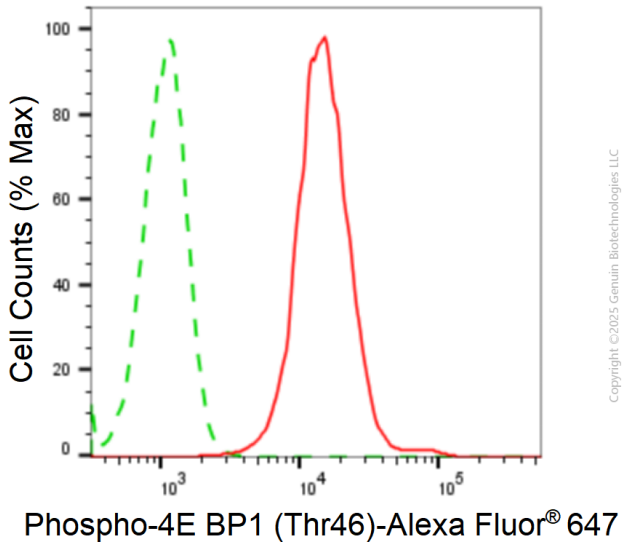
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Western blotting analysis using anti-phospho-4E BP1 (Thr46) antibody (Cat#ABG1815). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-phospho-4E BP1 (Thr46) antibody (Cat#ABG1815, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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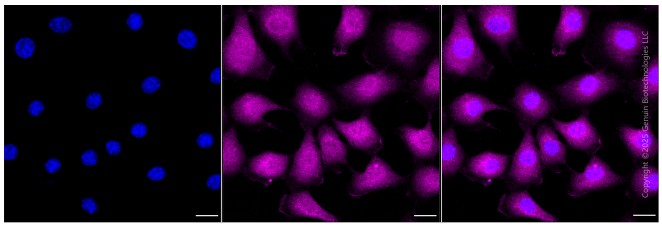
Western blotting analysis using anti-phospho-4E BP1 (Thr46) antibody (Cat#ABG1815). Phospho-4E BP1 (Thr46) expression in wild-type (WT) and EIF4EBP1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-phospho-4E BP1 (Thr46) antibody (Cat#ABG1815, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of phospho-4E BP1 (Thr46) expression in C2C12 cells using anti-phospho-4E BP1 (Thr46) antibody (Cat#ABG1815, 1:2,000). Green, isotype control; red, phospho-4E BP1 (Thr46).

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Immunocytochemical staining of C2C12 cells with anti-Phospho-4E BP1 (Thr46) antibody (Cat#ABG1815, 1:1,000). Nuclei were stained blue with DAPI; Phospho-4E BP1 (Thr46) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.