

KD-Validated Anti-EIF4EBP1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

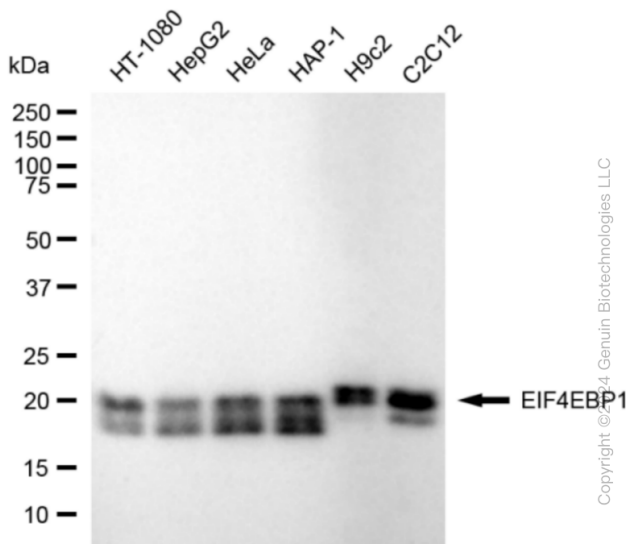
ABG1816

Product Overview

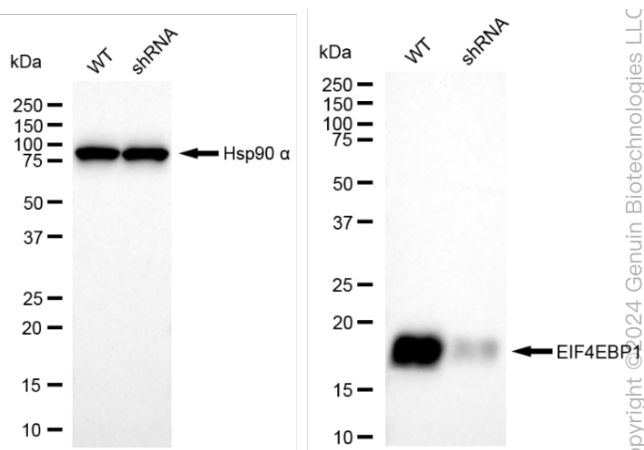
Name	KD-Validated Anti-EIF4EBP1 Rabbit Monoclonal Antibody
Accession(Primary)	Q13541
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human eIF4EBP1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 13 kDa, observed, 15-20 kDa
Storage 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)

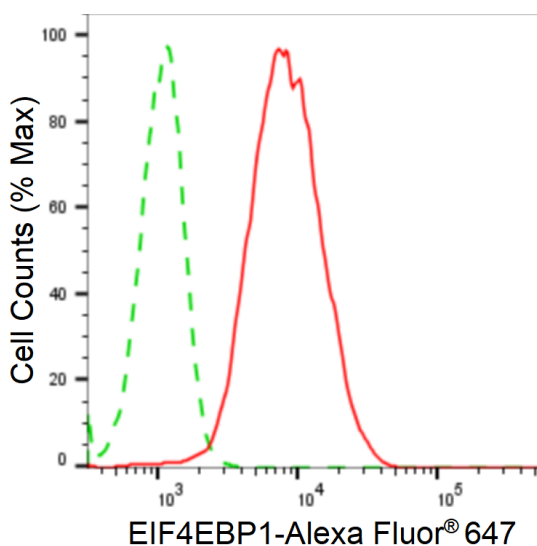
Gene Name	EIF4EBP1
About Gene Symbol	EIF4EBP1 (Eukaryotic Translation Initiation Factor 4E Binding Protein 1) is a protein kinase and signaling regulator involved in mTOR/PI3K/Akt signaling and translational regulation. It is an important research target in cancer, cell signaling, and therap



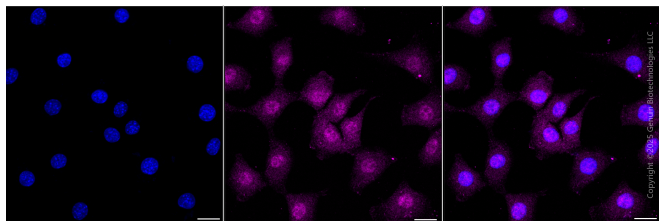
Western blotting analysis using anti-EIF4EBP1 antibody (Cat#ABG1816). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EIF4EBP1 antibody (Cat#ABG1816, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-EIF4EBP1 antibody (Cat#ABG1816). EIF4EBP1 expression in wild-type (WT) and EIF4EBP1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-EIF4EBP1 antibody (Cat#ABG1816, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of EIF4EBP1 expression in C2C12 cells using anti-EIF4EBP1 antibody (Cat#ABG1816, 1:2,000). Green, isotype control; red, EIF4EBP1.



Immunocytochemical staining of C2C12 cells with anti-EIF4EBP1 antibody (Cat#ABG1816, 1:1,000). Nuclei were stained blue with DAPI; EIF4EBP1 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 μ m.