
Product Name: KD-Validated Phospho-eIF4E (S209) Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01335**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 25.1kDa

Antigen Information

Gene Name	EIF4E EIF4E; Eukaryotic Translation Initiation Factor 4E; EIF4EL1; EIF4E1; EIF4F; MRNA Cap-Binding
Alternative Names	Protein; EIF-4F 25 KDa Subunit; EIF-4E; Eukaryotic Translation Initiation Factor 4E-Like 1; AUTS19; EIF4E; CBP
Gene ID	1977.0
SwissProt ID	P06730
Immunogen	A synthesized peptide derived from human Phospho-eIF4E (S209)

Background

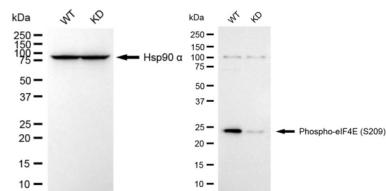
The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes

the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

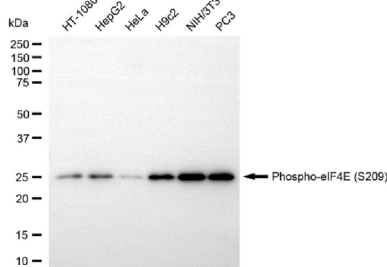
Research Area

Epigenetics and Nuclear Signaling

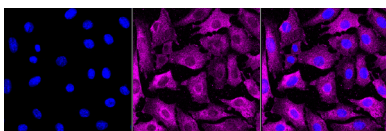
Image Data



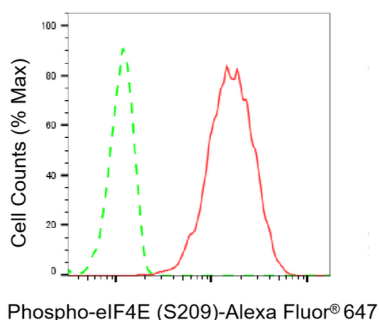
Western blotting analysis using phospho-eIF4E (S209) antibody (KVA01335). Phospho-eIF4E (S209) expression in wild type (WT) and EIF4E knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-eIF4E (S209) antibody (KVA01335, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using phospho-eIF4E (S209) antibody (KVA01335). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-eIF4E (S209) antibody (KVA01335, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Phospho-eIF4E (S209) antibody (KVA01335, 1:1,000). Nuclei were stained blue with DAPI; Phospho-eIF4E (S209) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 μ m.



Flow cytometric analysis of Phospho-eIF4E (S209) expression in C2C12 cells using Phospho-eIF4E (S209) antibody (KVA01335, 1:2,000). Green, isotype control; red, Phospho-eIF4E (S209).