

Product Name: KD-Validated EEF2K Rabbit Polyclonal Antibody**Catalog #: KVA00825**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
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 1:2,500-1:5,000
Molecular Weight	Calculated MW: 82.1kDa

Antigen Information

Gene Name	EEF2K EEF2K; Eukaryotic Elongation Factor 2 Kinase; EEF-2K; CaMKIII; EEF-2 Kinase; EC 2.7.11.20; Calcium/Calmodulin-Dependent Eukaryotic Elongation Factor-2 Kinase;
Alternative Names	Calcium/Calmodulin-Dependent Eukaryotic Elongation Factor 2 Kinase; Calmodulin-Dependent Protein Kinase III; Eukaryotic Elongation Factor 2 Kinase; Elongation Factor-2 Kinase; Alternative Protein EEF2K; EC 2.7.11; HSU93850
Gene ID	29904.0
SwissProt ID	O00418
Immunogen	A synthesized peptide derived from human EEF2K

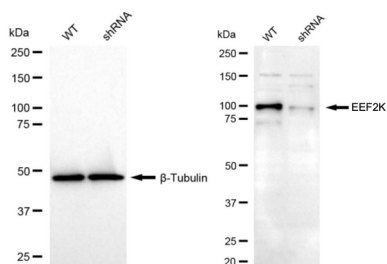
Background

This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment. [provided by RefSeq, Jul 2008]

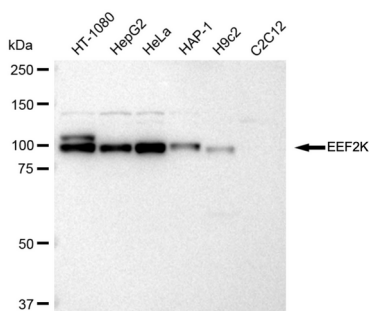
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction

Image Data



Western blotting analysis using EEF2K antibody (KVA00825). EEF2K expression in wild type (WT) and EEF2K shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with EEF2K antibody (KVA00825, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using EEF2K antibody (KVA00825). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EEF2K antibody (KVA00825, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.