
Product Name: EF-2 Rabbit Polyclonal Antibody**Catalog #: APRab10318**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	100kDa

Antigen Information

Gene Name	EEF2
Alternative Names	EEF2; EF2; Elongation factor 2; EF-2
Gene ID	1938.0
SwissProt ID	P13639
Immunogen	The antiserum was produced against synthesized peptide derived from human eEF2. AA range:31-80

Background

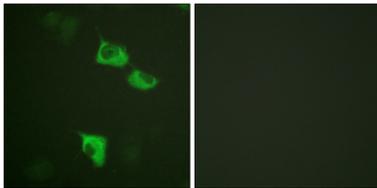
This gene encodes a member of the GTP-binding translation elongation factor family. This protein is an essential factor for

protein synthesis. It promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome. This protein is completely inactivated by EF-2 kinase phosphorylation. [provided by RefSeq, Jul 2008],function:This protein promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome.,PTM:Diphthamide is 2-[3-carboxyamido-3-(trimethyl-ammonio)propyl]histidine. Diphthamide can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A.,PTM:Phosphorylation by EF-2 kinase completely inactivates EF-2.,similarity:Belongs to the GTP-binding elongation factor family. EF-G/EF-2 subfamily.,subunit:Component of the mRNA surveillance SURF complex, at least composed of ERF1, ERF3 (ERF3A or ERF3B), EEF2, UPF1/RENT1, SMG1, SMG8 and SMG9.,

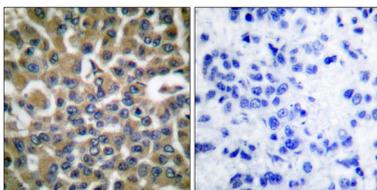
Research Area

AMPK

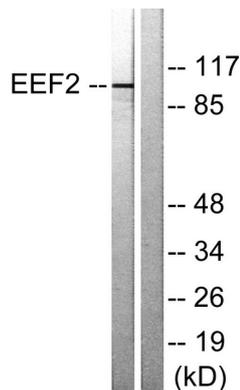
Image Data



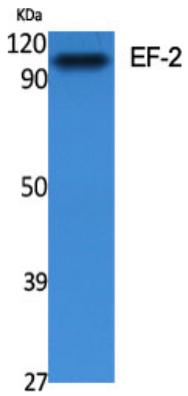
Immunofluorescence analysis of HUVEC cells, using eEF2 Antibody. The picture on the right is blocked with the synthesized peptide.



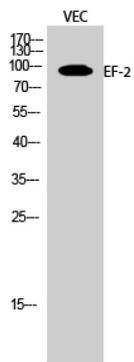
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using eEF2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, treated with serum 10% 30', using eEF2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using EF-2 Polyclonal Antibody diluted at 1: 2000



Western Blot analysis of VEC cells using EF-2 Polyclonal Antibody diluted at 1: 2000