
Product Name: EF-1 α 1/2 (Acetyl Lys41) Rabbit Polyclonal Antibody**Catalog #: APRab06187**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Acetylated
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,ELISA 1:10000-1:20000
Molecular Weight	50kDa

Antigen Information

Gene Name	EEF1A1/EEF1A2/EEF1A1P5 EEF1A1; EEF1A; EF1A; LENG7; Elongation factor 1-alpha 1; EF-1-alpha-1; Elongation factor Tu; EF-Tu; Eukaryotic elongation factor 1 A-1; eEF1A-1; Leukocyte receptor cluster member 7;
Alternative Names	EEF1A2; EEF1AL; STN; Elongation factor 1-alpha 2; EF-1-alpha-2;Eukaryotic elongation factor 1 A-2; eEF1A-2; Statin-S1; EEF1A1P5; EEF1AL3; Putative elongation factor 1-alpha-like 3; EF-1-alpha-like 3; Eukaryotic elongation factor 1 A-like 3; eEF1A-like 3; Eukaryotic translation elongation factor 1 alpha-1 pseudogene 5
Gene ID	1915.0
SwissProt ID	P68104

Immunogen

The antiserum was produced against synthesized Acetyl-peptide derived from human EEF1A around the Acetylation site of Lys41. AA range:1-50

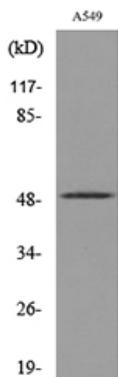
Background

This gene encodes an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen in 66% of patients with Felty syndrome. This gene has been found to have multiple copies on many chromosomes, some of which, if not all, represent different pseudogenes. [provided by RefSeq, Jul 2008],caution:Could be the product of a pseudogene.,function:This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.,similarity:Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.,subunit:Found in a nuclear export complex with XPO5, EEF1A1, Ran and aminoacylated tRNA. Interacts with XPO5. May interact with ERGIC2.,tissue specificity:Brain, placenta, lung, liver, kidney, pancreas but barely detectable in heart and skeletal muscle.,

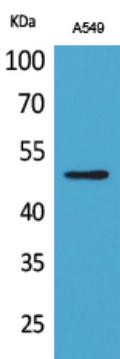
Research Area

Epigenetics and Nuclear Signaling

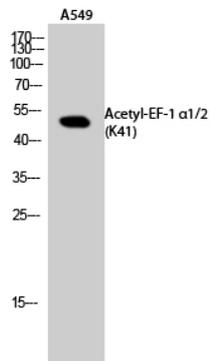
Image Data



Western blot analysis of lysate from A549 cells, using EEF1A-pan (Acetyl-Lys41) Antibody.



Western Blot analysis of A549 cells using Acetyl-EF-1 $\alpha/2$ (K41) Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of A549 cells using Acetyl-EF-1 α 1/2 (K41) Polyclonal Antibody. Secondary antibody was diluted at 1:20000