

# eEF1A1 Rabbit pAb

**Catalog No.:** A0974

## Basic Information

**Catalog No.**

A0974

**Observed MW**

50kDa

**Calculated MW**

47kDa/50kDa

**Category**

Primary antibody

**Applications**

WB, IF

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF</b>	1:20 - 1:100

## 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.

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
1915	P68104

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 123-462 of human eEF1A1 (NP\_001393.1).

**Synonyms**

EEF1A1;CCS-3;CCS3;EE1A1;EEF-1;EEF1A;EF-Tu;EF1A;GRAF-1EF;HNGC:16303;LENG7;PTI1;eEF1A-1

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

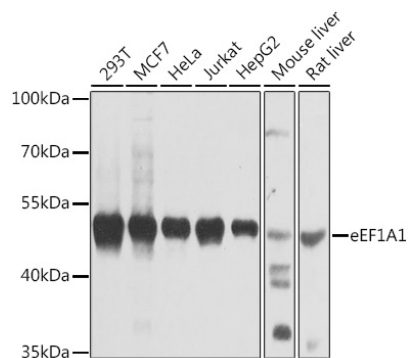
## Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using eEF1A1 antibody (A0974) at 1:1000 dilution.

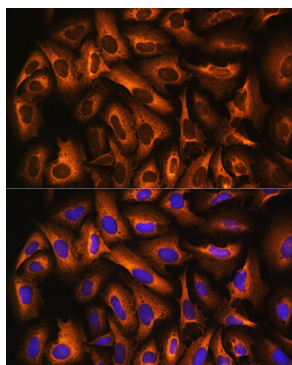
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

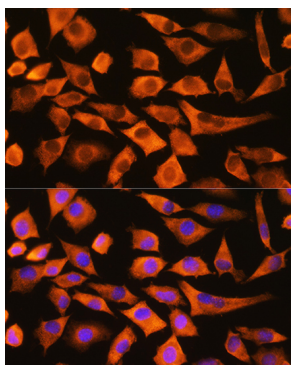
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

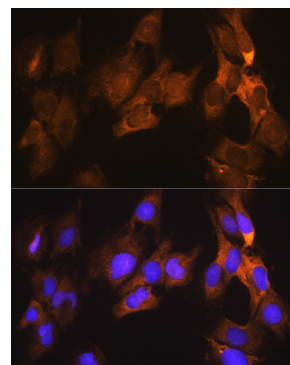
Exposure time: 10s.



Immunofluorescence analysis of U2OS cells using eEF1A1 Rabbit pAb (A0974) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using eEF1A1 Rabbit pAb (A0974) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using eEF1A1 Rabbit pAb (A0974) at dilution of 1:100. Blue: DAPI for nuclear staining.