

For Research Use Only

# EEF1G Monoclonal antibody

Catalog Number: 68148-1-Ig



## Basic Information

<b>Catalog Number:</b> 68148-1-Ig	<b>GenBank Accession Number:</b> BC006520	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1937	<b>CloneNo.:</b> 1G7C6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P26641	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2b	<b>Full Name:</b> eukaryotic translation elongation factor 1 gamma	
<b>Immunogen Catalog Number:</b> AG0218	<b>Calculated MW:</b> 50 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Pig, Rabbit	<b>WB :</b> U2OS cells, HeLa cells, MCF-7 cells, pig heart tissue, A549 cells, HEK-293 cells, rabbit heart tissue, pig brain tissue, rabbit brain tissue
	<b>IF/ICC :</b> HeLa cells,

## Background Information

Eukaryotic translation elongation factor 1 (EEF1G, synonym: EF1G) is a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit contains an N-terminal glutathione transferase domain, which may be involved in regulating the assembly of multisubunit complexes containing this elongation factor and aminoacyl-tRNA synthetases.

## Storage

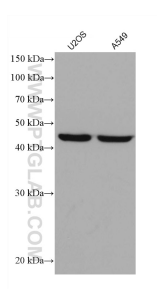
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

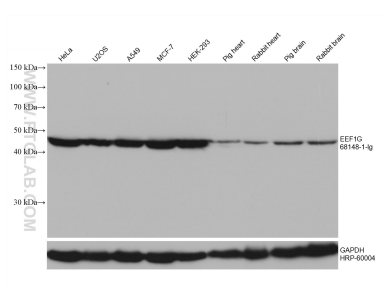
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

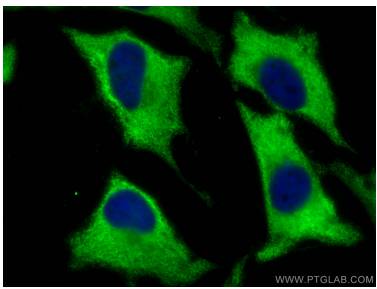
## Selected Validation Data



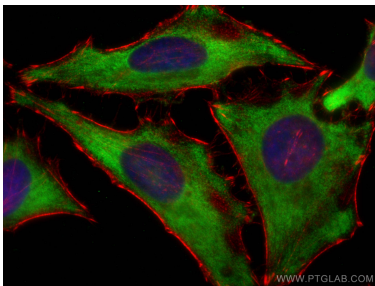
Various lysates were subjected to SDS PAGE followed by western blot with 68148-1-Ig (EEF1G antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68148-1-Ig (EEF1G antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using EEF1G antibody (68148-1-Ig, Clone: 1G7C6) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using EEF1G antibody (68148-1-Ig, Clone: 1G7C6) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).