

For Research Use Only

# EEF2 Polyclonal antibody

Catalog Number: 20107-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

20107-1-AP

### Size:

150ul, Concentration: 213 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13826

### GenBank Accession Number:

BC126259

### GeneID (NCBI):

1938

### UNIPROT ID:

P13639

### Full Name:

eukaryotic translation elongation factor 2

### Calculated MW:

858 aa, 95 kDa

### Observed MW:

95-100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:16000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:500-1:2000

IF/ICC: 1:50-1:500

FC (Intra): 0.20 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IHC, IP, CoIP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, zebrafish

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: C6 cells, NIH/3T3 cells, HEK-293 cells, HeLa cells, Jurkat cells

IP: HeLa cells,

IHC: mouse brain tissue, human breast cancer tissue, human stomach cancer tissue

IF/ICC: HepG2 cells,

FC (Intra): HeLa cells,

## Background Information

EEF2 (Eukaryotic Elongation Factor 2), also known as EF-2 and EF2, is a crucial protein involved in the process of protein synthesis in eukaryotic cells. It plays a pivotal role in the elongation phase of translation, where it facilitates the movement of the ribosome along the mRNA strand. This movement is essential for the addition of amino acids to the growing polypeptide chain.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wang Li	31558304	Pathol Res Pract	WB
Xinyao Lin	31061416	Nat Commun	WB
Yang Lu	27036204	BMC Nephrol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

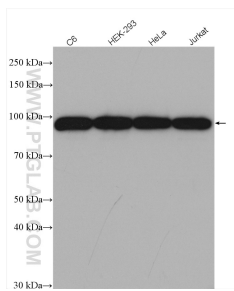
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

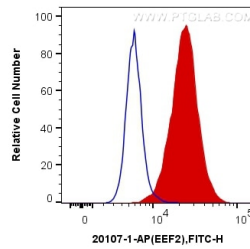
E: proteintech@ptglab.com  
W: ptglab.com

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

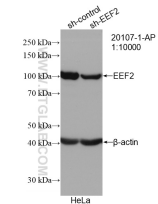
## Selected Validation Data



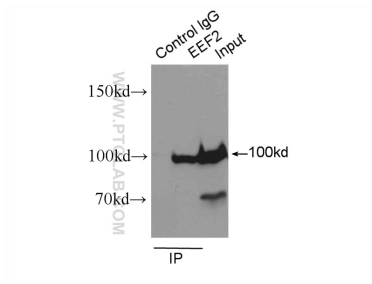
Various lysates were subjected to SDS PAGE followed by western blot with 20107-1-AP (EEF2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



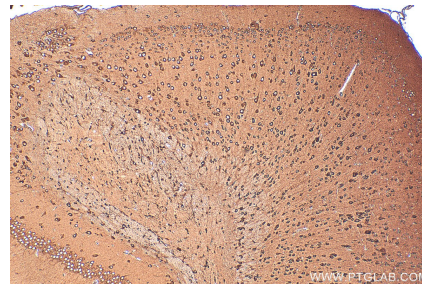
1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human EEF2 (20107-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



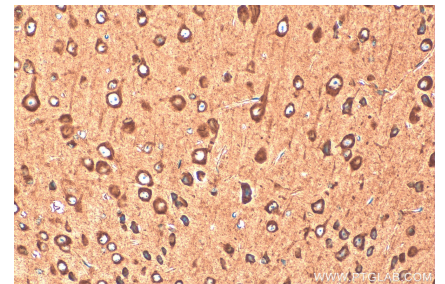
WB result of EEF2 antibody (20107-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EEF2 transfected HeLa cells.



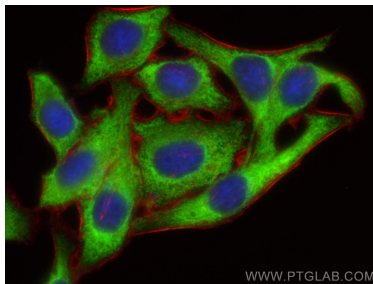
IP result of anti-EEF2 (IP:20107-1-AP, 3ug; Detection:20107-1-AP 1:500) with HeLa cells lysate 1600ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20107-1-AP (EEF2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20107-1-AP (EEF2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using EEF2 antibody (20107-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).