

For Research Use Only

# EEF1A1 Recombinant antibody, PBS Only



Catalog Number: 81377-1-PBS

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>81377-1-PBS                       | <b>GenBank Accession Number:</b><br>BC014224                            | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>1915   | <b>CloneNo.:</b><br>2B16                              |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>P68104  |   |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>eukaryotic translation elongation factor 1 alpha 1 |   |
| <b>Immunogen Catalog Number:</b><br>AG1938                  | <b>Calculated MW:</b><br>462 aa, 50 kDa                                 |   |
|   | <b>Observed MW:</b><br>50 kDa   |   |

## Applications

**Tested Applications:**  
WB, IP, IF, IHC, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat

## Background Information

EEF1A1, also named as EEF1A, EF1A and LENG7, belongs to the GTP-binding elongation factor family. This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. It is a typical housekeeping gene product required for the maintenance of cell proliferation and/or survival. In addition, EEF1A1 protects the aminoester bond against hydrolysis until a correct match between the codon on mRNA and the anti-codon on tRNA can be achieved.

## Storage

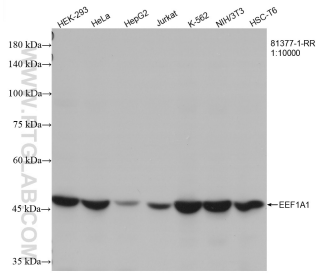
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

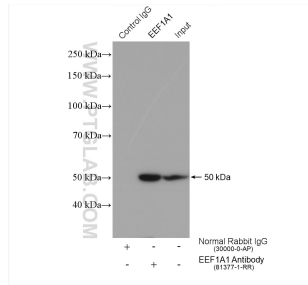
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

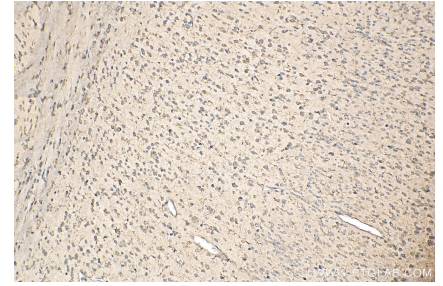
## Selected Validation Data



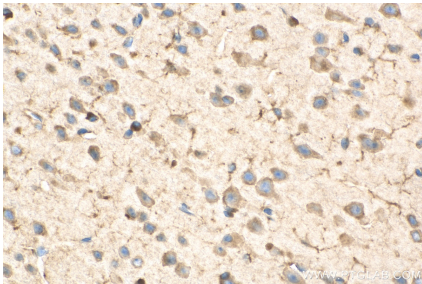
Various lysates were subjected to SDS PAGE followed by western blot with 81377-1-RR (EEF1A1 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81377-1-PBS in a different storage buffer formulation.



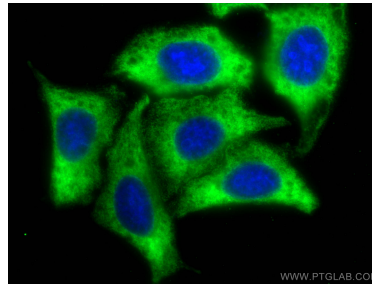
IP result of anti-EEF1A1 (IP:81377-1-RR, 4ug; Detection:81377-1-RR 1:8000) with HeLa cells lysate 1720 ug. This data was developed using the same antibody clone with 81377-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 81377-1-RR (EEF1A1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81377-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 81377-1-RR (EEF1A1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81377-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using EEF1A1 antibody (81377-1-RR, Clone: 2B16) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81377-1-PBS in a different storage buffer formulation.