

## EIF3I Polyclonal antibody

Catalog Number: 11287-1-AP

Featured Product

9 Publications

## Basic Information

## Catalog Number:

11287-1-AP

## Size:

300 ug/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG1847

## GenBank Accession Number:

BC000413

## GeneID (NCBI):

8668

## UNIPROT ID:

Q13347

## Full Name:

eukaryotic translation initiation

factor 3, subunit I

## Calculated MW:

36 kDa

## Observed MW:

36 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IHC, IF, CoIP

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse, rat, hamster

**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**: HEK-293 cells, SH-SY5Y cells, HepG2 cells, mouse brain tissue, Jurkat cells, HeLa cells, MCF-7 cells, K-562 cells, human placenta tissue, NIH/3T3 cells

**IP**: HEK-293 cells,

**IHC**: human breast cancer tissue, human liver tissue, human testis tissue

**IF/ICC**: HeLa cells,

## Background Information

Eukaryotic initiation factor (EIF3) complex is the largest of the eIFs and consists of more than 10 nonidentical subunit, and is required for several steps in the initiation of protein synthesis. It associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). Also it can stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. EIF3I is one subunit of EIF3 complex.

## Notable Publications

Author	Pubmed ID	Journal	Application
Emma Jane Mead	26420881	Biochem J	WB
Wei Pan	29173589	Vet Microbiol	WB
Anne Roobol	24320561	Biochem J	WB

## 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

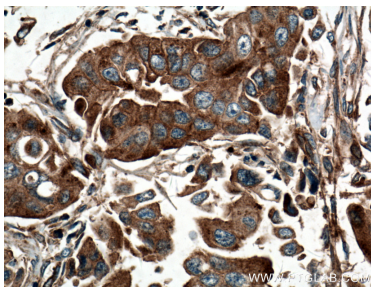
For technical support and original validation data for this product please contact:

T: 4006900926

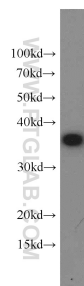
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

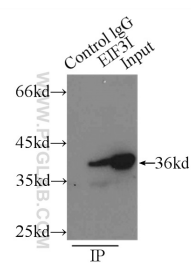
## Selected Validation Data



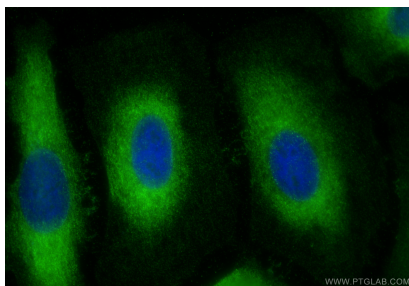
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11287-1-AP (EIF3I antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11287-1-AP (EIF3I antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-EIF3I (IP:11287-1-AP, 3ug; Detection:11287-1-AP 1:1000) with HEK-293 cells lysate 1500ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using EIF3I antibody (11287-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).