

For Research Use Only

EIF3I Polyclonal antibody

Catalog Number: 11287-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

11287-1-AP

Size:

150ul, Concentration: 300 µg/ml by Nanodrop;

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:10-1:100

Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, 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 : 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-tRNA_i 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

*** 20ul sizes contain 0.1% BSA

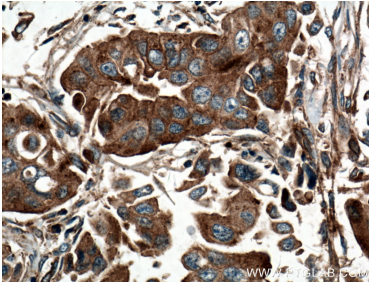
For technical support and original validation data for this product please contact:

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

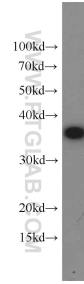
E: proteintech@ptglab.com
W: ptglab.com

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

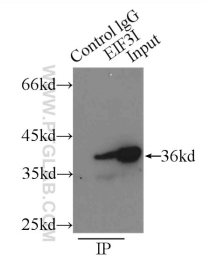
Selected Validation Data



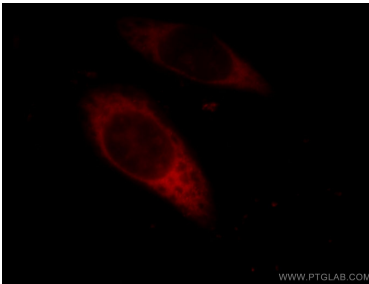
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11287-1-AP (EIF3I antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



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 HeLa cells, using EIF3I antibody 11287-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).