

EIF3I Polyclonal Antibody

Catalog number: 11287-1-AP

Size: 45 µg/150 µl

Source: Rabbit

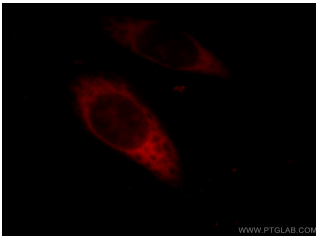
Isotype: IgG

Synonyms:

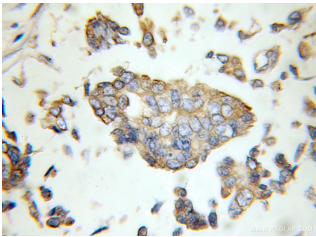
EIF3I; eIF 3 beta, eIF3 beta, eIF3

p36, EIF3I, EIF3S2, PRO2242,

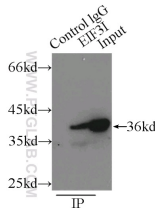
TRIP 1, TRIP1



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



Immunohistochemical of paraffin-embedded human breast cancer using 11287-1-AP (EIF3I antibody) at dilution of 1:100 (under 10x lens)



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

Background

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.

Applications

Tested applications:	ELISA, IHC, IF, IP, WB, FC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Hamster, mouse, rat
Calculated EIF3I MW:	36 kDa
Observed EIF3I MW:	36kd
Positive WB detected in	HEK-293 cells, HeLa cells, HepG2 cells, human placenta tissue, Jurkat cells, K-562 cells, MCF7 cells, mouse brain tissue, NIH/3T3 cells, SH-SY5Y cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human breast cancer tissue, human liver tissue, human testis tissue
Positive IF detected in	HeLa cells
Positive FC detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100 FC: N/A

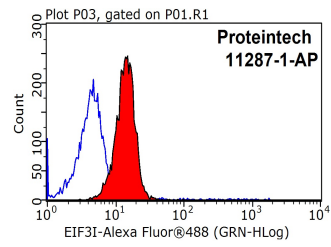
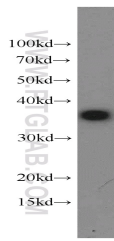
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1847
GenBank accession number:	BC000413
Gene ID (NCBI):	8668
Full name:	Eukaryotic translation initiation factor 3, subunit I

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11287-1-AP(EIF3I antibody) at dilution of 1:1000

1X10⁶ HeLa cells were stained with 0.2ug EIF3I antibody (11287-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.