

EIF3G Polyclonal Antibody

Catalog number: 11165-1-AP

Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

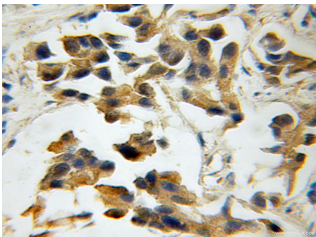
Synonyms:

EIF3G; eIF 3 delta, eIF 3 RNA

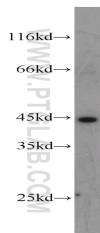
binding subunit, eIF3 delta,

EIF3 P42, eIF3 p44, EIF3G,

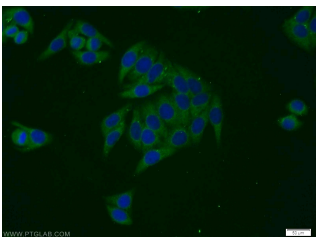
EIF3S4



Immunohistochemical of paraffin-embedded human prostate cancer using 11165-1-AP(EIF3G antibody) at dilution of 1:50 (under 10x lens)



HepG2 cells were subjected to SDS PAGE followed by western blot with 11165-1-AP(EIF3G antibody) at dilution of 1:500



Immunofluorescent analysis of HepG2 cells using 11165-1-AP(EIF3G Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

Eukaryotic translation initiation factor eIF3, that plays a central role in translation initiation, consists of five core subunits that are present in both the budding yeast and higher eukaryotes. The EIF-3 complex 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. The complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. It is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. EIF3G is a component of the EIF3 complex.

[PMID:20679478,20503360]

Applications

Tested applications:	ELISA, WB, IHC, IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated EIF3G MW:	36 kDa
Observed EIF3G MW:	44kd
Positive WB detected in	HepG2 cells
Positive IHC detected in	Human prostate cancer tissue
Positive IF detected in	HepG2 cells, A549 cells
Recommended dilution:	WB: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100

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

Immunogen information

Immunogen:	Ag1653
GenBank accession number:	BC000733
Gene ID (NCBI):	8666
Full name:	Eukaryotic translation initiation factor 3, subunit G

Product information

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