

CBP,EIF4E Polyclonal Antibody

Catalog number: 11149-1-AP

Size: 26 µg/150 µl

Source: Rabbit

Isotype: IgG

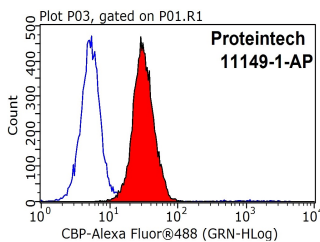
Synonyms:

EIF4E; CBP, eIF 4E, eIF 4F 25

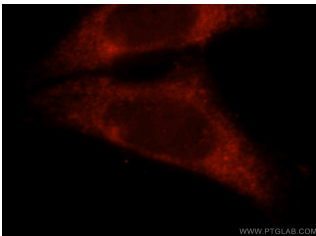
kDa subunit, EIF4E, EIF4E1,

EIF4EL1, EIF4F, mRNA cap

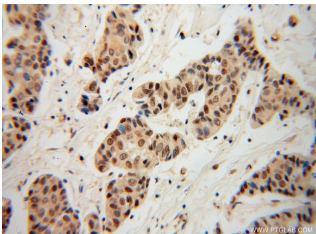
binding protein



1X10⁶ HepG2 cells were stained with 0.2µg EIF4E antibody (11149-1-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.



Immunofluorescent analysis of HepG2 cells, using EIF4E antibody 11149-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human breast cancer using 11149-1-AP(EIF4E antibody) at dilution of 1:100 (under 40x lens)

Background

Eukaryotic translation initiation factor 4E(EIF4E) is the rate-limiting part of mRNA 7-methyl guanosine cap-binding component of the translation initiation complex eIF4F. The other subunits of EIF4F are a 50-kD polypeptide, termed EIF4A and a 220-kD polypeptide EIF4G. EIF4E mediates the binding to the mRNA cap then repress the translation. Due to the increasing expression of c-Myc in the oncogene, EIF4E's activity is enhanced. This is a rabbit polyclonal antibody raised against the full-length of human EIF4E. This protein can form a dimer (~50 kDa).

Applications

Tested applications:	ELISA, WB, IHC, IF, FC
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated CBP,EIF4E MW:	29 kDa
Observed CBP,EIF4E MW:	25 kDa, 50 kDa
Positive WB detected in	HEK-293 cells
Positive IHC detected in	Human breast cancer tissue, human gliomas tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 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:	Ag1626
GenBank accession number:	BC012611
Gene ID (NCBI):	1977
Full name:	Eukaryotic translation initiation factor 4E

Product information

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

