

EIF3D Polyclonal Antibody

Catalog number: 10219-1-AP

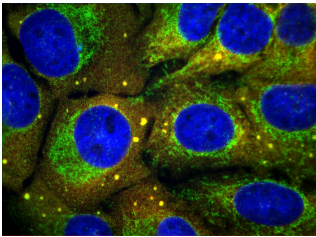
Size: 20 µg/150 µl

Source: Rabbit

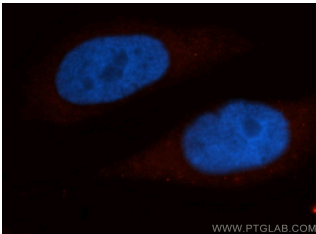
Isotype: IgG

Synonyms:

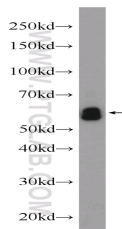
EIF3D; eIF 3 zeta, eIF3 p66, eIF3 zeta, EIF3D, EIF3S7



Fluorescence result of 10219-1-AP (anti-EIF3D) in U2OS cell (treated with 100 mM sodium arsenite to cause stress-induced translational arrest) by Dr. Nancy Kedersha. U2OS cells (FAST-YFP stables; but not showing FAST-YFP); stained with PTG anti-eIF3p66 in green; and counterstained with anti-eIF3b (goat polyclonal) in red; nuclei stained blue using Hoechst.



Immunofluorescent analysis of MCF-7 cells, using EIF3D antibody 10219-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10219-1-AP (EIF3D Antibody) at dilution of 1:600

Background

The mammalian translation initiation factor 3 (eIF3), is a multiprotein complex of ~600 kDa that binds to the 40 S ribosome and promotes the binding of methionyl-tRNA_i and mRNA. The EIF3S7(p66) is the major RNA binding subunit in this complex. Human eIF3-p66 shares 64% sequence identity with a hypothetical *Caenorhabditis elegans* protein, presumably the p66 homolog. Deletion analyses of recombinant derivatives of eIF3-p66 show that the RNA-binding domain lies within an N-terminal 71-amino acid region rich in lysine and arginine.

Applications

Tested applications:	ELISA, IF, IHC, WB
Cited applications:	IF, IP, WB
Species specificity:	Human, Mouse, Yeast; other species not tested.
Cited species:	Human, mouse, rabbit, yeast
Calculated EIF3D MW:	66 kDa
Observed EIF3D MW:	66 kDa
Positive WB detected in	Mouse brain tissue, A549 cells, HepG2 cells, human brain tissue, L02 cells
Positive IHC detected in	Human breast cancer tissue
Positive IF detected in	MCF-7 cells, Ethacrynic acid treated HepG2 cells, HepG2 cells, transfected cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

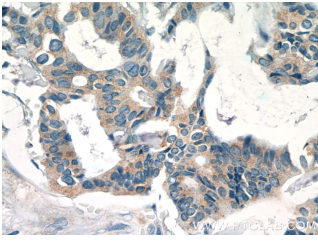
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0268
GenBank accession number:	BC000328
Gene ID (NCBI):	8664
Full name:	Eukaryotic translation initiation factor 3, subunit D

Product information

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



**Immunohistochemistry of
paraffin-embedded human
breast cancer tissue slide
using 10219-1-AP (EIF3D
Antibody) at dilution of 1:50
(under 40x lens)**