

For Research Use Only

# EIF3D Recombinant antibody

Catalog Number: 82512-1-RR



## Basic Information

**Catalog Number:**

82512-1-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0268

**GenBank Accession Number:**

BC000328

**GeneID (NCBI):**

8664

**UNIPROT ID:**

O15371

**Full Name:**

eukaryotic translation initiation factor 3, subunit D

**Calculated MW:**

66 kDa

**Observed MW:**

65 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

308

**Recommended Dilutions:**

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

IF 1:500-1:2000

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Species Specificity:**

Human, rat

**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:** HeLa cells, rat liver tissue, HepG2 cells, A549 cells, A431 cells, Jurkat cells

**IP:** A549 cells,

**IHC:** human breast cancer tissue,

**IF:** U2OS cells,

## Background Information

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<sub>i</sub> 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.

## 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

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

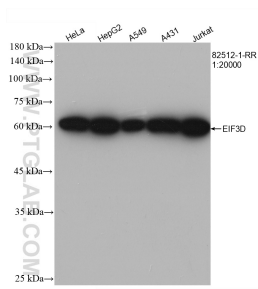
T: 4006900926

E: Proteintech-CN@ptglab.com

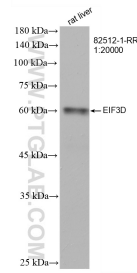
W: ptgcn.com

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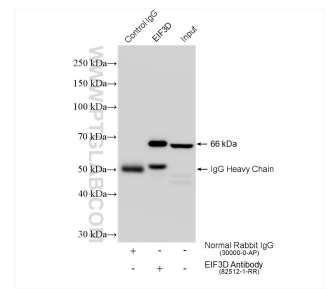
## Selected Validation Data



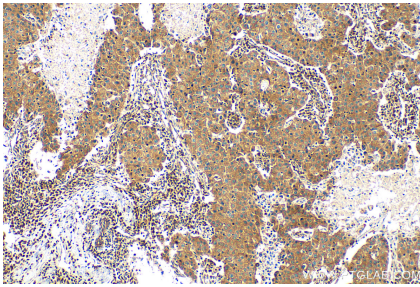
Various lysates were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



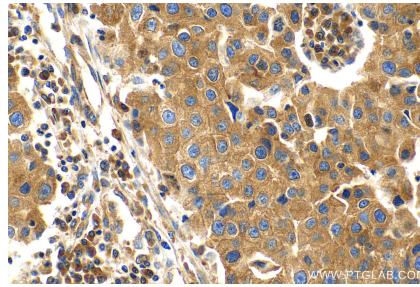
rat liver tissue were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:30300 incubated at room temperature for 1.5 hours.



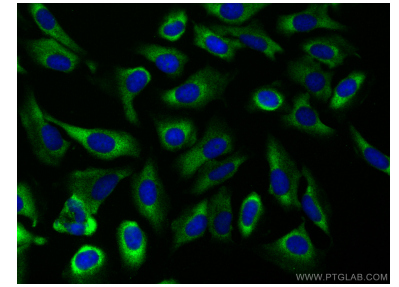
IP result of anti-EIF3D (IP:82512-1-RR, 4ug; Detection:82512-1-RR 1:5000) with A549 cells lysate 920 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using EIF3D antibody (82512-1-RR, Clone: 308) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).