

For Research Use Only

# EIF3D Recombinant antibody, PBS Only

Catalog Number: 82512-1-PBS

Featured Product



## Basic Information

Catalog Number:

82512-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

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

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, rat

## 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-tRNAi 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 -80°C.

Storage Buffer:

PBS Only

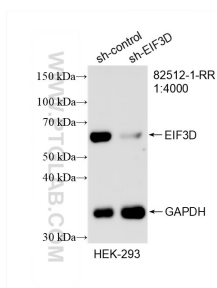
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

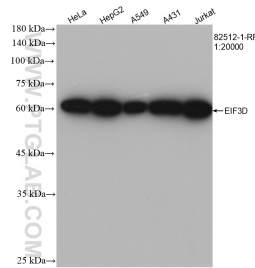
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

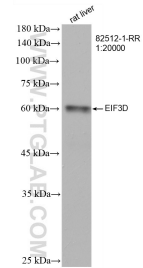
## Selected Validation Data



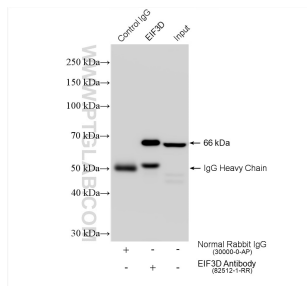
WB result of EIF3D antibody (82512-1-RR; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF3D transfected HEK-293 cells. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



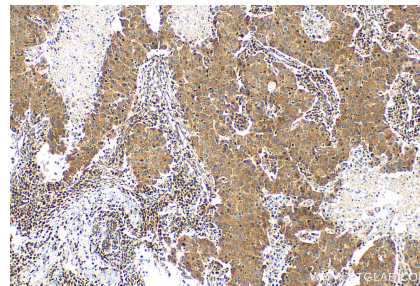
Various lysates were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



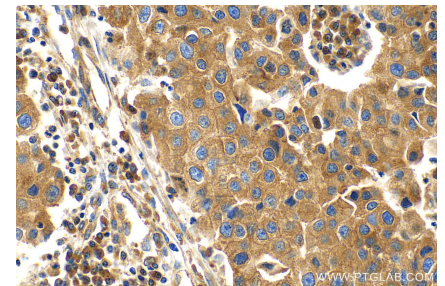
rat liver tissue were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:30300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



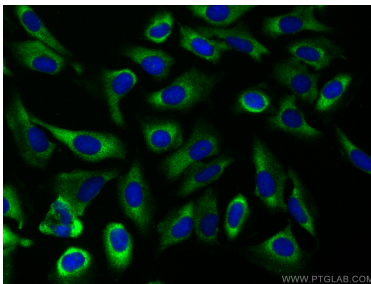
IP result of anti-EIF3D (IP:82512-1-RR, 4ug; Detection:82512-1-RR 1:5000) with A549 cells lysate 920 ug. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



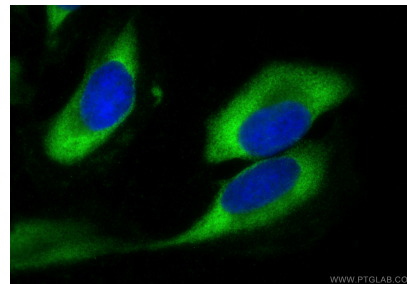
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



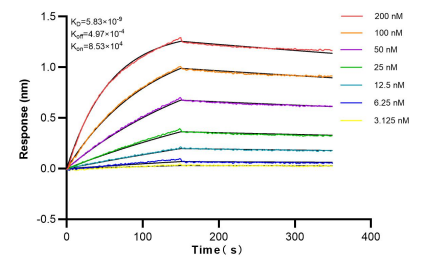
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using EIF3D antibody (82512-1-RR, Clone: 308) at dilution of 1:400 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 82512-1-RR against Human EIF3D were performed. The affinity constant is 5.83 nM.