

For Research Use Only

EIF3D Recombinant antibody, PBS Only

Catalog Number: 82512-1-PBS



Basic Information

Catalog Number:

82512-1-PBS

Size:

1mg/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

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-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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

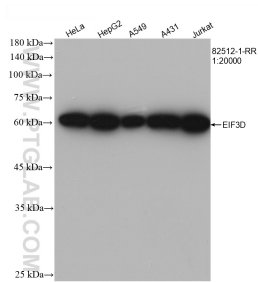
T: 4006900926

E: Proteintech-CN@ptglab.com

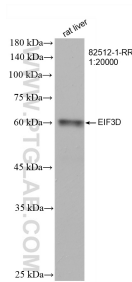
W: ptgcn.com

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

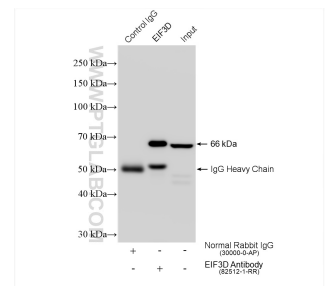
Selected Validation Data



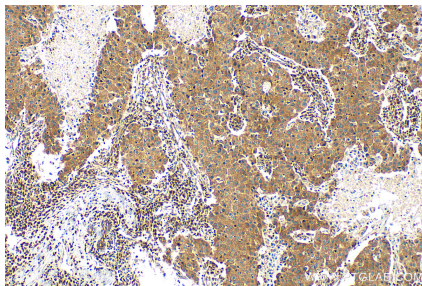
Various lysates were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



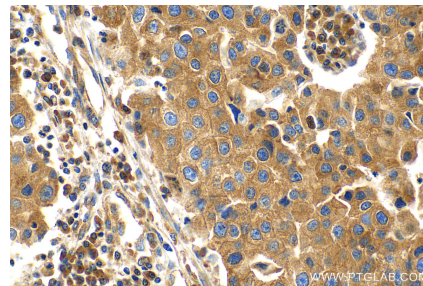
rat liver tissue were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:30300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



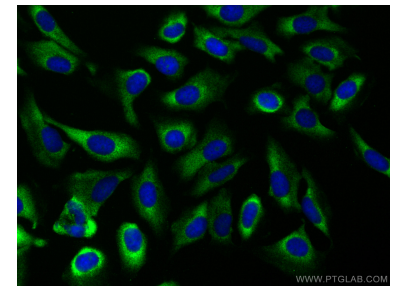
IP result of anti-EIF3D (IP:82512-1-RR, 4ug; Detection:82512-1-RR 1:5000) with A549 cells lysate 920 ug. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



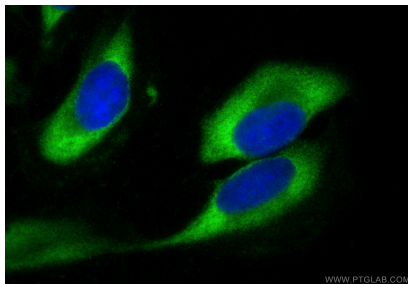
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82512-1-PBS in a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



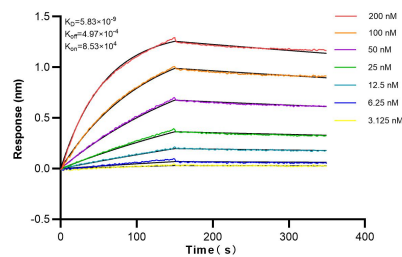
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82512-1-PBS in a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



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