For Research Use Only

EIF3D Recombinant antibody, PBS Only

Catalog Number:82512-1-PBS Featured Product

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Antibodies | ELISA kits | Proteins
Uni-rAb
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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

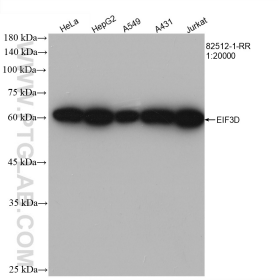
The mammalian translation initiation factor 3 (eIF3), is a multiprotein complex of ~600 kDa that binds to the 40 S ribosome and promotes the binding of methionyl-tRNAi and mRNA. The EIF3S7(p66) is the major RNA binding subunit in this complex. Human eIF3-p66 shares 64% sequence identity with a hypothetical 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

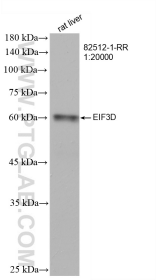
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

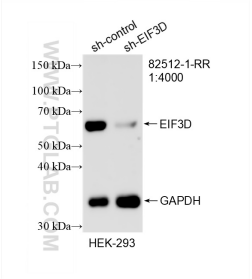
Selected Validation Data



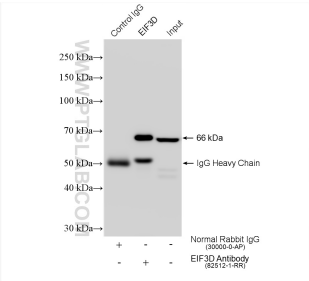
Various lysates were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



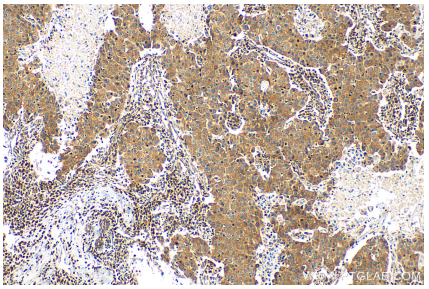
rat liver tissue were subjected to SDS PAGE followed by western blot with 82512-1-RR (EIF3D antibody) at dilution of 1:30300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



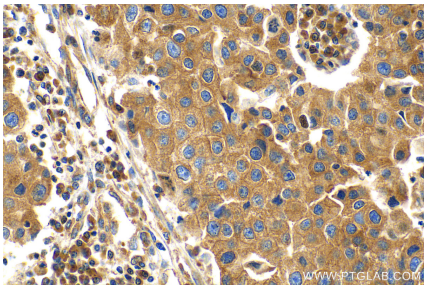
WB result of EIF3D antibody (82512-1-RR; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF3D transfected HEK-293 cells. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



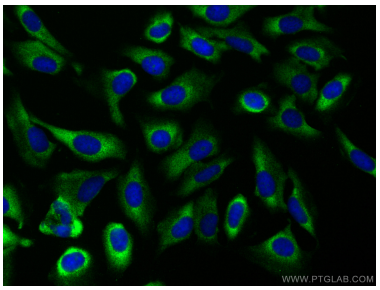
IP result of anti-EIF3D (IP:82512-1-RR, 4ug; Detection:82512-1-RR 1:5000) with A549 cells lysate 920 ug. This data was developed using the same antibody clone with 82512-1-PBS in a different storage buffer formulation.



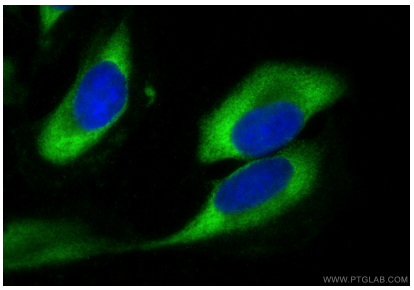
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82512-1-PBS in a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



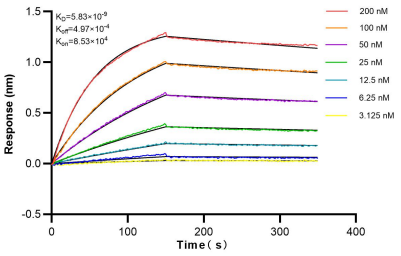
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 82512-1-RR (EIF3D antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 82512-1-PBS in a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