

For Research Use Only

EIF3D Monoclonal antibody

Catalog Number: 66024-1-Ig

1 Publications



Basic Information

Catalog Number:	66024-1-Ig	GenBank Accession Number:	BC000328	Purification Method:	Protein A purification
Size:	150ul , Concentration: 1700 ug/ml by Nanodrop and 780 ug/ml by Bradford method using BSA as the standard;	GenID (NCBI):	8664	CloneNo.:	2C5A3
Source:	Mouse	UNIPROT ID:	O15371	Recommended Dilutions:	WB 1:500-1:2000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Isotype:	IgG2b	Full Name:	eukaryotic translation initiation factor 3, subunit D		
Immunogen Catalog Number:	AG18092	Calculated MW:	66 kDa		
		Observed MW:	66 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Cited Applications:	WB	WB :	HepG2 cells, A431 cells, HeLa cells, human brain tissue, mouse liver tissue, rat liver tissue
Species Specificity:	human, mouse, rat	IHC :	human brain tissue,
Cited Species:	human	IF/ICC :	HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Dandan Lu	38535990	Aging (Albany NY)	WB

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

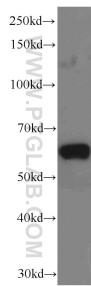
*** 20ul sizes contain 0.1% BSA

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)

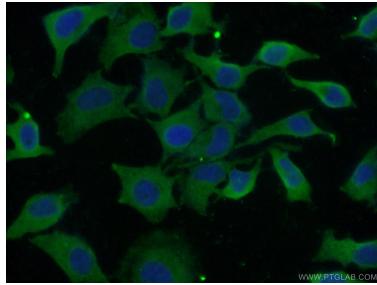
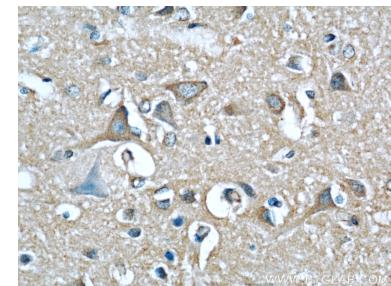
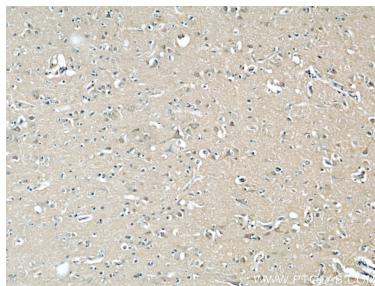
E: proteintech@ptglab.com
W: ptglab.com

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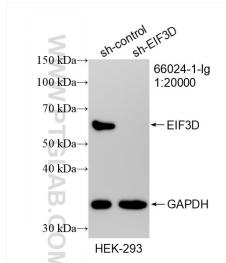
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66024-1-Ig (EIF3D antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 66024-1-Ig (EIF3D antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L).



WB result of EIF3D antibody (66024-1-Ig; 1:20000) with sh-Control and sh-EIF3D transfected HEK-293 cells.