

Product Datasheet

EIF3M Antibody - BSA Free

NBP1-56654

Unit Size: 100ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-56654

EIF3M Antibody - BSA Free

Product Information

Unit Size	100ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS, 2% Sucrose

Product Description

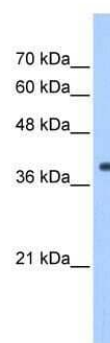
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	10480
Gene Symbol	EIF3M
Species	Human
Specificity/Sensitivity	This product is specific to Subunit or Isoform: M.
Immunogen	Synthetic peptides corresponding to EIF3M(eukaryotic translation initiation factor 3, subunit M) The peptide sequence was selected from the N terminal of EIF3M. Peptide sequence MSVPAFIDISEEDQAAELRAYLKSKGAEISEENSEGGLHVDLAQIIEACD. The peptide sequence for this immunogen was taken from within the described region.

Product Application Details

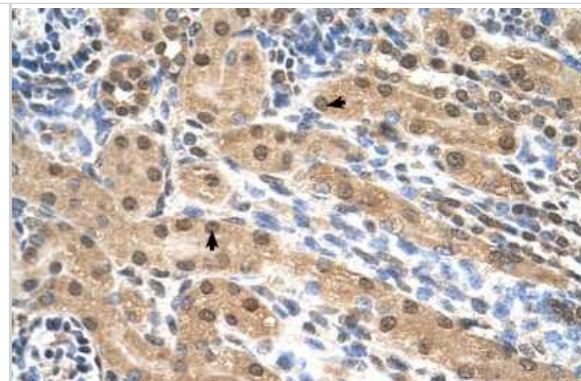
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500

Images

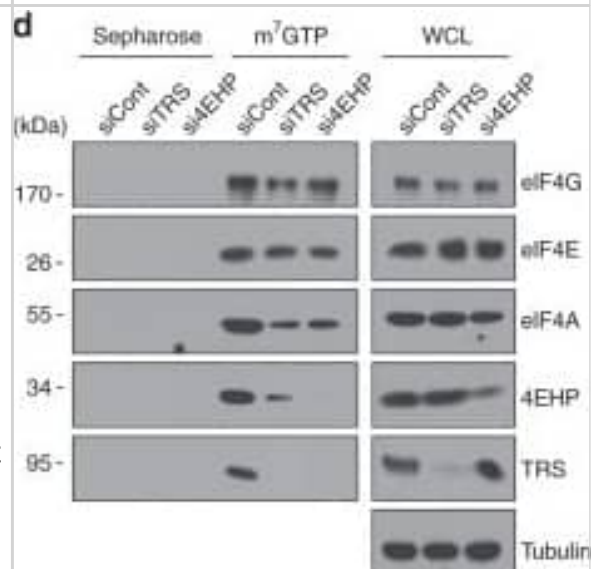
Western Blot: EIF3M Antibody [NBP1-56654] - HepG2 cell lysate,
Antibody Titration: 1.0ug/ml



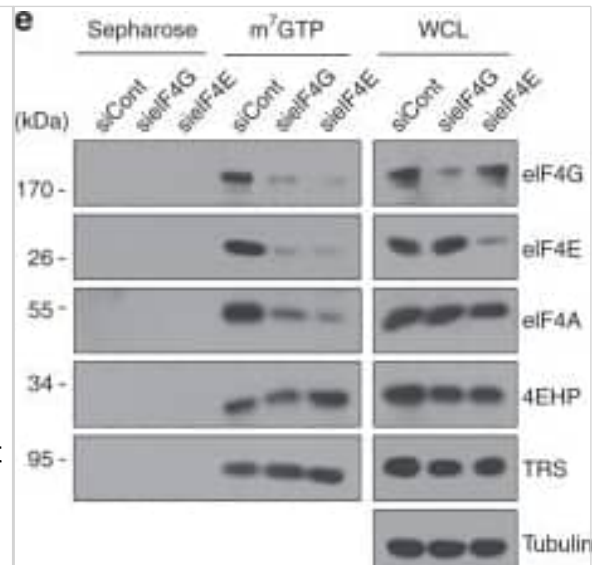
Immunohistochemistry-Paraffin: EIF3M Antibody [NBP1-56654] - Human kidney Tissue, antibody concentration 4-8ug/ml. Cells with positive label: renal corpuscle cells (indicated with arrows) 400X magnification.



TRS functions similarly to eIF4G & acts as an eIF4F analog. a Pull-down assay of co-expressed TRS-Strep with eIF4A- or eIF4G-FLAG in 293 T cells. TRS-Strep was pulled down with Strep-Tactin beads, & co-precipitation of eIF4A or 4 G was determined by immunoblotting with anti-FLAG antibody. EV, empty vector. * indicates a nonspecific band. b Immunoassay of the co-expression of different combinations of plasmids in 293T cells. Myc-TRS was immunoprecipitated with anti-Myc antibody, & co-precipitation of other proteins was determined using tag-specific antibodies. c Immunoassay of co-expressed eIF4A-FLAG with GST-fused full-length TRS or its various domains in 293T cells. eIF4A-FLAG was immunoprecipitated with anti-FLAG antibody, & co-precipitated TRS proteins were determined by immunoblotting with anti-GST antibody. d Pull-down assay of endogenous translation initiation factors with m7GTP-Sepharose beads in 293 T cells transfected with siRNAs against TRS, 4EHP, or a non-targeting control (siCont). Cap-bound proteins were eluted from beads & immunoblotted with the indicated antibodies. Sepharose beads were used as a negative control. e Pull-down assay of endogenous translation initiation factors with m7GTP-Sepharose beads in 293T cells transfected with siRNAs against eIF4G, eIF4E, or siCont, & their suppression effects on cap-binding of other components, were determined as in (d). The data are representative of at least three experiments, each with similar results Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30902983>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Arpit Dheeraj, Fernando Jose Garcia Marques, Dhanir Tailor, Abel Bermudez, Angel Resendez, Mallesh Pandrala, Benedikt Grau, Praveen Kumar, Carrsyn B. Haley, Alexander Honkala, Praveen Kujur, Stefanie S. Jeffrey, Sharon Pitteri, Sanjay V. Malhotra Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy Cell Reports Medicine 2024-05-09 [PMID: 38729158]

Jeong SJ, Park S, Nguyen LT et al. A threonyl-tRNA synthetase-mediated translation initiation machinery Nat Commun 2019-03-22 [PMID: 30902983] (WB, Human)

Lee AS, Kranzusch PJ, Cate JH. eIF3 targets cell-proliferation messenger RNAs for translational activation or repression Nature 2015-04-06 [PMID: 25849773] (WB, Human)



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Products Related to NBP1-56654

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00010480-P01-10ug	Recombinant Human EIF3M GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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